Thermometers
Hydrometers
Barometers
Compasses, Etc.

Taylor Instrument Companies
Rochester, N. Y.
U. S. A.

List of Prices and Code Words

For Use With

Taylor Instrument Companies Catalog

June 1919 Edition

(Form 3115)

Taylor Instrument Companies

Rochester, N. Y., U. S. A.

2372 6-19 5 M

Page 15

CAT. NO.	DESCRIPTION	CODE WORD	PER DOZ
5000	*Tycos* 4-inch Fever Thermometer, 2 Minute..	Acued	$19.80
5000	" " " " 1 Minute..	Acufs	23.10
5000	" " " " ½ Minute..	Acuik	26.40
5002	" " " " 2 Minute..	Acujo	16.50
5002	" " " " 1 Minute..	Acukt	19.80
5002	" " " " ½ Minute..	Adwel	23.10

Page 16

	Tycos Fever Thermometer Display Case..... (Free with 8 doz. *Tycos* Fever Thermometers.)	Acuof

Page 17

			PER DOZ.
5004	*Taylor* "68" 4-inch Clinical Therm., 2 Minute.	Acupi	$ 9.90
5004	" " " " " 1 Minute.	Acurp	10.80
5004	" " " " " ½ Minute.	Acuta	12.60
	" " Display Package..... (Free with ½ doz. Thermometers, if specified.)	Acuyz	

Page 18

			PER DOZ.
5006A	*Taylor* "69" 4-inch Clinical Therm., 2 Minute.	Acvak	$ 9.90
5006A	" " " " " 1 Minute.	Acvid	10.80
5006A	" " " " " ½ Minute.	Acvor	12.60
	" " Display Package..... (Free with ½ doz. Thermometers, if specified.)	Acvuz	

Page 19

			PER DOZ.
5015	*Tycos* Mouth and Rectal Fever Thermometer .	Acume	$49.50
5022	" 4-inch Rectal Thermometer, 2 Minute ..	Acwal	23.10
5022	" " " " 1 Minute ..	Agdal	26.40
5024	" " " " 2 Minute ..	Acwer	19.80
5024	" " " " 1 Minute ..	Agder	23.10
5028	*Taylor* "68" 4-inch Rectal Therm., 2 Minute ..	Acwis	12.00
5028	" " " " " 1 Minute ..	Agdfo	13.20
	Centigrade scale for Clinical Thermometer.... (Add 20% if less than 1 doz. 1 doz. or more same price as Fahrenheit.)	Acwop	
	F. & C. scales for Clinical Thermometer.....	Acwun	
	F. & R. " " " " ..... (1 doz. or more add $1.00 per doz. to list. Less than 1 doz. add 25% to list.)	Acwya	

Page 20

			PER DOZ.
5040	*Tycos* 5-in. Vet'y. Therm. Arm'd. nickel case.....	Aczag	$27.75
5040	" " " " in hard rubber case...	Acxod	24.75
5040	" " " " twist aluminum case..	Acyms	25.75
5042	*Taylor* " " " Arm'd nickel case"68"	Aczin	17.40
5042	" " " " hard rubber case.....	Acxuf	14.40
5042	" " " " twist aluminum case .	Aczok	15.40
5044	" " " " Arm'd nickel case"69"	Aczub	17.40
5044	" " " " hard rubber case.....	Acylk	14.40
5044	" " " " twist aluminum case .	Aczyf	15.40
"Z"	Cases only.....	Acyrt	4.50
			EACH
5080	*Tycos* mixing Pipette for white corpuscles....	Acxar	2.00
5081	" " " " red "	Acxiz	2.00

Page 21

CAT. NO.	DESCRIPTION	CODE WORD	
Style-A	Slip nickel case for No. 5006A 4-inch Clinical Therm.	Adabt	
Style-HR	Hard rubber case for Nos. 5002 and 5004	Adach	
Style-B	Twist-Gilt case with chain & pin for 4-in.clinical	Adady	
Style-D	" -Nickel" " " " " " " "	Adaev	
	(B or D cases will be furnished without extra charge, if specified.)		EXTRA PER DOZ.
Style-E	Twist-Alum. case with chain & pin for 4-in.clinical	Adags	$ .50
Style-F	" -Sil. plated " " " " " " "	Adahn	.50
Style-G	Machine cut gilt case with chain and pin for 4-inch. clinical	Adaib	3.00

Page 22

			EXTRA PER DOZ.
Style-H	Black enamel and gilt case with chain and pin 4-inch Clinical	Adako	$ 3.00
Style-J	Sterling silver black enam. with chain and pin 4-inch Clinical	Adalf	14.00
Style-K	Sterling silver plain with chain and pin 4-inch Clinical	Adami	16.00
			EXTRA EACH
Style-L	10-Karat Gold plain with chain and pin 4-inch Clinical	Adanz	$18.00
Style-M	14-Karat Gold plain with chain and pin 4-inch Clinical	Adaoc	21.00
			EXTRA PER. DOZ.
Style-N	Sterling silver chased with chain and pin 4-inch Clinical	Adard	$18.00
Style-P	Rolled gold plated chased with chain and pin 4-inch Clinical	Adase	18.00
			EXTRA EACH
Style-R	10-Karat gold chased with chain and pin 4-inch Clinical	Adaup	$18.00
Style-S	14-Karat gold chased with chain and pin 4-inch Clinical	Adavu	21.00

Page 23

Style-Q	*Tycos* Nurse's special safety pocket case	Adaxa	Same as for regular *Tycos* Safety Case
			EXTRA PER DOZ.
Style-T	Pearl case rolled gold plated ends for 4-inch Clinical	Adayk	$27.00
Style-V	Extra-fine sterling silver case	Adboy	58.00
Style-X	*Tycos* sterling silver case, plain	Adcak	30.00
Style-Y	*Tycos* sterling silver chased safety pocket	Adcid	30.00

Page 25

			EACH
5090	*Tycos* Self-Verifying Sphygmomanometer	Adcla	$25.00
	Manometer only	Adcor	18.00
	Arm sleeve complete	Adcre	5.00
	Rubber bag only	Adcuz	1.50
	Inflating bulb and valve	Addey	1.00
	Valve only	Addgu	.65
	Bulb only	Addyt	.35
	Morocco case only	Adeab	2.00
			PER 100
5097	*Taylor* Fever Charts per 100	Adeds	$1.20

Page 25—Continued

	DESCRIPTION	CODE WORD	PER 1000
5097	*Taylor* Fever Charts per 1000	Agdji	$10.00
			EACH
5098	Blood Pressure Simplified	Adeen	$1.00

Page 26

			PER DOZ.
M7502	*Tycos* Urinometer	Adefu	$18.00
M7502T	" "	Adegt	30.00
M7504	" "	Adeix	48.00

Page 27

			PER DOZ.
M7510	*Tycos* Ureometer	Adeky	$15.00
7516	" "	Adelz	12.00
M7520	" "	Ademd	9.00
S7528	" "	Adenk	6.00

Page 28

			PER DOZ
7540	*Tycos*-Quality Doremus Ureometer, Hind's Mod.	Adeoj	$42.00
7542	" " " "	Aderg	12.00
7542A	" " " "	Adesm	8.00
7544	" " Pipettes	Adeth	3.00

Page 29

			PER DOZ.
7548	*Tycos* Einhorn's Fermentation Saccharometer	Adeuc	$24.00
7548A	Test tubes only for 7548	Adeva	3.00
7550B	*Tycos* Esbach's Albuminometer	Adewo	5.00
7553	" Standard Albuminometer	Adexe	12.00

Page 30

			PER DOZ.
7556	*Tycos* Urin-Acidimeter	Adezi	$12.00
7558	" Indicanometer	Adfes	12.00
7552	*Tycos* Urinary Analysis Booklet	Adgar	1.20
7530	Test Jar (plain) for Nos. 7520 and 7528	Adfip	2.00
7530A	" " for No. 7510	Adfon	3.50
7530B	" " (fluted) for No. 7516	Adfro	4.50
7530D	" " for No. 7504	Adfut	7.50
7530E	" " for No. 7502	Adfyc	6.00

Page 33

			PER ASST.
	Assortment No. 0	Adgiz	$12.50

Page 35

			PER ASST.
	Assortment No. 1	Adgno	$25.00

Page 36

			PER ASST.
100	Assortment	Adgod	$ 3.75
100S	"	Afleb	3.25
200	"	Adguf	12.00
200S	"	Akyde	11.00

Page 37

CAT. NO.	DESCRIPTION	CODE WORD	PER ASST.
201	*Taylor* Assortment	Adhad	$13.75
201S	" "	Adiaj	13.25
204S	" "	Adhec	9.00

Page 38

			PER ASST.
300S	*Tycos* Assortment	Adhus	$12.00
301S	" "	Adhyx	13.50

Page 39

			PER ASST.
302	*Tycos* Assortment	Adibs	$15.00
302S	" "	Adick	15.00
303	" "	Adidt	10.00
303S	" "	Adiex	10.00

Page 40

			PER ASST.
304S	*Tycos* Assortment	Adihm	$14.50
500	*Taylor* Home Set	Adiju	3.75

Page 41

			PER ASST.
5151S	Comfortmeter Package	Adika	$6.50
			DOZ. ASSTS.
5152S	Sunrise Assortment	Adild	$54.00

Page 42

			DOZ. ASSTS.
5170S	Distance-Reading Thermometer Assortment	Adimp	$36.00
			PER ASST.
5378S	Storm Glass and Thermometer Assortment	Adiow	$5.50
5356S	Temp-Rite Desk Thermometer Assortment	Ading	5.50

Page 44

			PER DOZ.
5100	Cabinet Thermometer 6-inch	Amiku	$15.00
5100	" " 8 "	Adipf	18.00
5100	" " 10 "	Adirc	22.50
5100	" " 12 "	Adisn	27.00
5100	" " 18 "	Aditz	60.00
5100S	" " 6 "	Amilg	15.00
5100S	" " 8 "	Adivo	18.00
5100S	" " 10 "	Adiwe	22.50
5100S	" " 12 "	Adixi	27.00
5100S	" " 18 "	Adizy	60.00
5100S	F. & R. Cabinet Thermometer, 8-inch	Adjop	20.00
5100S	F. & C. " " 8 "	Adjun	20.00
5101	Cabinet Thermometer 6 "	Adlam	15.00
5101	" " 8 "	Adled	18.00
5101	" " 10 "	Adlik	22.50
5101	" " 12 "	Adlof	30.00
5101S	" " 6 "	Adlur	15.00
5101S	" " 8 "	Adlyz	18.00

Page 44—Continued

CAT. NO.	DESCRIPTION	CODE WORD	PER DOZ.
5101S	Cabinet Thermometer 10-inch	Admag	$22.50
5101S	" " 12 "	Admin	30.00
5104S	" " 8 "	Adkuy	24.00
			EXTRA PER DOZ.
	Extra for Certification of Thermometers on page 44, (for 6 and 8-inch)	Admok	7.50
	Extra for Certification of Thermometers on page 44, (for 10, 12 and 18-inch)	"	10.50

Page 45

			PER DOZ.
5105S	Health-Temperature Thermometer, 8-inch	Admub	$19.50
5105S	" " " 10 "	Admyf	24.00
5106S	" " " 8 "	Adnas	21.00

Page 46

			PER DOZ.
5110S	*Tycos* Cabinet Thermometer, 6-inch	Adnek	$24.00
5110S	" " " 8 "	Adnir	27.00
5112S	" " " 8 "	Adnum	27.00
			PER DOZ.
	Extra for Certification of Nos. 5110S and 5112S	Admok	7.50
			PER DOZ.
5115S	"Petite" Cabinet Thermometer, 5 inch	Adnyp	13.50

Page 47

			PER DOZ.
5120	*Taylor* Cabinet Thermometer, 6-inch	Adoce	$9.00
5120	" " " 8 "	Adoez	10.00
5120	" " " 10 "	Adofa	13.50
5120	" " " 12 "	Adogo	16.50
5120	" " " 14 "	Adoig	20.00
5120S	" " " 6 "	Adols	8.25
5120S	" " " 8 "	Adorf	9.25
5120S	" " " 10 "	Adoxu	12.50
5120S	" " " 12 "	Adoyd	15.50
5120S	" " " 14 "	Adpaf	19.00
5120S	F. & R. " " 8 "	Adpeg	12.00
5120S	F. & C. " " 8 "	Adpit	12.00
5121S	*Taylor* Cabinet Thermometer, 6-inch	Adpli	8.25
5121S	" " " 8 "	Adpol	9.25
5121S	" " " 10 "	Adpuk	12.50
5121S	" " " 12 "	Adreb	15.50
5121S	" " " 14 "	Akxyf	19.00
"W"	Silvered Scales if specified	Adroz	No Extra
5125S	*Taylor* Health Temp. Therm., 8-inch	Adrif	12.00
5125S	" " " " 10 "	Agdis	15.00

Page 48

			PER DOZ.
5140	Cabinet Thermometer, 7-inch	Adsaz	$5.50
5140	" " 8 "	Adsby	6.50
5140	" " 10 "	Adsep	9.00
5140S	" " 7 "	Adsim	4.75
5140S	" " 8 "	Adsni	5.75
5140S	" " 10 "	Adsos	8.00
"W"	Silvered Scales if specified	Adroz	No Extra

Page 49

			PER DOZ
5154	Distance Reading Thermometer, 8-inch	Adste	$9.00
5154	" " " 10 "	Adsul	10.50
5154S	" " " 8 "	Adtap	8.25

Page 49—Continued

CAT. NO.	DESCRIPTION	CODE WOOD	PER DOZ.
5154S	Distance Reading Thermometer, 10-inch	Adtej	$ 9.75
			PER GROSS
5160S	" " " 8 "	Adtga	33.00
5162S	" " " 8 "	Adtox	39.00
5162S	" " " 10 "	Adtud	48.00

Page 50

			PER DOZ.
5305S	*Tycos* Window Thermometer, 11-inch	Adtve	$42.00
5315S	*Taylor* Window Thermometer, 8-inch	Adtyg	10.00
5315S	" " " 10 "	Aduav	13.50

Page 51

			PER DOZ.
5350S	*Tycos* Radial Scale Thermometer	Aduct	$30.00

Page 52

			PER DOZ.
5340S	*Tycos* Mahogany Desk Thermometer	Aduff	$42.00
5354S	" All-Metal Desk Thermometer	Adugz	21.00
	Extra for Certification of Nos. 5340S and 5354S	Admok	7.50
5356S	*Taylor* Temp-Rite Desk Thermometer	Adino	5.50

Page 53

			PER DOZ.
5362S	*Taylor* Storm Glass and Thermometer	Aduje	$20.00
5364S	" Storm Glass and Thermometer	Aduku	15.00

Page 54

			PER DOZ.
5370	Storm Glass and Thermometer	Adulg	$8.00
5370S	" " "	Adunn	7.25
5372	" " "	Aduob	9.00
5372S	" " "	Aduph	8.25
5378S	" " "	Adiow	5.50

Page 56

			PER DOZ.
5400	*Tycos* Tin case Thermometer, 8-inch	Adusp	$12.00
5400	" " " " 10 "	Aduts	15.00
5400	" " " " 12 "	Aduwi	18.00
5400S	" " " " 8 "	Adzug	11.00
5400S	" " " " 10 "	Adzyr	14.00
5400S	" " " " 12 "	Afaab	17.00
5400P	" Copper case Thermometer, 8-inch	Aduxo	16.00
5400P	" " " " 10 "	Aduym	20.00
5400P	" " " " 12 "	Aduza	24.00
5400P.S.	" " " " 8 "	Afads	16.00
5400P.S.	" " " " 10 "	Afaen	20.00
5400P.S.	" " " " 12 "	Afafu	24.00
5400S	F. & C. Tin case Thermometer, 10-inch	Advan	16.00
5400	F. & R. " " " 12 "	Adury	19.00
5401	*Tycos* Tin case Thermometer, 10-inch	Advra	15.00
5401	" " " " 12 "	Advys	18.00
5401	F.&R. " " " 10 "	Afosn	16.00
5401	F.&R. Tin Case Thermometer, 12-inch	Afotz	19.00
5401P	*Tycos* Copper case Thermometer, 10-inch	Adxil	20.00
5401P	" " " " 12 "	Adxot	24.00
5401P	F.&R. " " " 10 "	Agsdy	21.00
5401P	F.&R. " " " 12 "	Agsvu	25.00
5401K	F.&R. " " " 12 "	Akyli	30.00

Page 57

CAT. NO.	DESCRIPTION	CODE WORD	PER DOZ.
5402	*Tycos* Tin case Thermometer, 10-inch	Adyax	$16.50
5402	" " " " 12 "	Adycs	20.00
5402P	" Copper case Thermometer, 10-inch	Adyda	21.50
5402P	" " " " 12 "	Adyem	26.00
5403S	" Tin " " 12 "	Adyfe	24.00
5403PS	" Copper case Thermometer, 12-inch	Adyog	30.00
5403S	F. & R. Tin Case Thermometer, 12-inch	Aknaj	25.00
5400A	Scales only, 8-inch	Adyru	10.50
5400A	" " 10 "	Adyst	13.00
5400A	" " 12 "	Adyvi	16.50
5401A	" " 10 "	Afuve	13.00
5401A	" " 12 "	Agnab	16.50
5402A	" " 10 "	Adzat	14.50
5402A	" " 12 "	Adzef	17.50
5403A	" " 12 "	Adzom	21.50
NOTE—Ranges from 60° to 80° below zero (Add 33⅓% to list.)		Adhov	
5410	*Taylor* Tin case Thermometer, 8-inch	Afagt	9.50
5410	" " " 10 "	Afaix	13.00
5410	" " " 12 "	Afaky	17.00
5410S	" " " 8 "	Afalz	8.75
5410S	" " " 10 "	Afamd	12.25
5410S	" " " 12 "	Afank	16.00
5410S	F.&C. " " " 10 "	Afaoj	15.00

Page 58

			PER DOZ.
5420	Tin case Thermometer, 8-inch	Afarg	$ 7.00
5420	" " " 10 "	Afasm	9.00
5420	" " " 12 "	Afath	11.00
5420S	" " " 8 "	Afauo	6.25
5420S	" " " 10 "	Afava	7.50
5420S	" " " 12 "	Afawo	9.00
5420S	F.&R" " 8 "	Agnen	7.50
5420S	F.&C" " 8 "	Agnix	7.50
5421	Tin case Thermometer, 8-inch	Afaxe	7.00
5421	" " " 10 "	Afayv	9.00
5421	" " " 12 "	Afazi	11.00
5430	Coppered case Thermometer, 6-inch	Afbao	7.50
5430	" " " 8 "	Afbez	8.50
5430	" " " 10 "	Afbig	10.00
5430S	" " " 6 "	Afbuj	6.75
5430S	" " " 8 "	Afbyd	7.75
5430S	" " " 10 "	Afcad	9.25

Page 59

			PER DOZ.
5452	*Tycos* Self-Registering Thermometer, 8-inch	Afcec	$54.00
5452	" " " " 10 "	Afcov	60.00
5452P	" " " " 8 "	Afcus	63.00
5452P	" " " " 10 "	Afcyx	72.00
5466	" " " " 10 "	Afdak	84.00
5466P	" " " " 10 "	Afdid	96.00

CAT. NO.	DESCRIPTION	CODE WORD	PER DOZ.
Page 60			
5484	*Tycos* Maximum and Minimum Thermometer..	Afdla	$54.00
5484A	Extra Max. scales with tubes for 5484.....	Afdor	27.00
5484B	" Min. " " " " 5484.....	Afdre	24.00
5488	*Tycos* Maximum Thermometer.....	Afduz	30.00
5490	*Tycos* Minimum Thermometer.....	Afear	27.00
5498	" " "	Afebe	24.00
	NOTE—Ranges of 60° to 80° below zero ..... (Add 33⅓% to list.)	Adhov	
Page 61			PER DOZ.
5500	*Taylor* Cabinet Minimum Registering Therm..	Afeiz	$18.00
5508	" Tin Case " " ..	Afeki	12.00
Page 62			EACH
5516	*Tycos* Max. and Min. set, with certificates....	Afeln	$12.00
5518	" " Self-Registering Therm. with Cert.	Afemt	6.00
5520	" Min. " " " " "	Afeno	5.50
	NOTE—Ranges from 60° to 80° below zero ... (Add 33⅓% to list.)	Adhov	
Page 63			EACH
5524	*Tycos* Thermometer with certificate.....	Afeod	$ 5.00
5526	" Thermometer without certificate.....	Aferk	3.25
5530	" Hygrometer, with certificate.....	Afeuf	11.00
	NOTE—Ranges from 60° to 80° below zero ... (Add 33⅓% to list.)	Adhov	
Page 65			EACH
5532	*Tycos* Mason's form Hygrometer.....	Affat	$4.50
5533	" " " "	Affdo	6.00
5536	*Taylor* " " "	Affge	2.50
	Silk wicks for Mason's Hygrometers.....	Akoec	PER DOZ. $1.20
Page 66			EACH
†1300	*Tycos* Standing form Hygrodeik.....	Affly	$12.00
†1300A	" " " "	Affom	13.50
†1300B	" " " "	Affpu	14.00
†1301	" " " "	Affri	12.00
†1301A	" " " "	Affsa	13.50
†1301B	" " " "	Affug	14.00
†1302	" " " "	Affyr	10.50
†1302A	" " " "	Afguy	12.00
†1302B	" " " "	Afhaf	12.50
	If centigrade scales are desired designate by C..	Ahiak	No Extra
	Silk wicks for Hygrodeiks.....	Afheg	PER DOZ. $1.20
	Wet Tubes for Hygrodeiks.....	Akurx	EACH $2.50
	Dry Tubes " "	Akxum	2.50
Page 67			EACH
†1305	*Tycos* Hanging form Hygrodeik.....	Afhit	$15.00
†1306	" " " "	Afhol	15.00
	If centigrade scales are desired designate by C.	Ahiak	No Extra
	Silk wicks for Hygrodeiks.....	Afheg	PER DOZ. $1.20

NOTE—Add 20% to list prices of all numbers preceeded by a dagger.

Page 67—Continued

CAT. NO.	DESCRIPTION	CODE WORD	EACH
	Extra Wet Tubes for Hygrodeiks	Akurx	$2.50
	" Dry Tubes " "	Akxum	2.50

Page 68

			EACH
5558	*Tycos* Hygro-Autometer	Afhuk	$ 9.00
5558A	" " "	Aficu	10.50
			PER DOZ.
	Extra Silk wicks for Hygro-Autometer	Agusk	$1.20
			EACH
	" Tubes for Hygro-Autometer	Agxas	$2.50

Page 69

			EACH
†1322	*Tycos* Sling Psychrometer	Afies	$ 9.00
†1322A	Extra Tubes for No. 1322	Aklyv	3.00
†1323	*Tycos* Pocket Sling Psychrometer	Afifi	10.50
†1323A	Extra Engraved Thermometers for No. 1323	Afilm	3.00

Page 70

			PER DOZ.
5588	*Tycos* Bath Thermometer	Afimy	$15.00
5592S	" " "	Afina	18.00

Page 71

			PER DOZ
5606	*Taylor* Bath Thermometer	Agvat	$10.50
5606S	" " "	Afion	9.75
5607S	" " "	Afipe	12.00
5612S	" " "	Afiro	7.00
			PER GROSS
5615S	Bath Thermometer	Afisl	$33.00

Page 72

			PER DOZ
5636	*Tycos* Pocket and Traveling Thermometer	Afiut	$48.00
5640	" " " " "	Afjan	36.00

Page 73

			PER DOZ.
5656	Metal Decorative Thermometer scales 3-inch	Afloz	$ 6.50
5656	" " " " 4 "	Afluv	7.50
5656	" " " " 5 "	Aflyn	8.50
5656	" " " " 6 "	Afmam	10.00
5656	" " " " 7 "	Afmed	12.00
			PER 100
5668	Card Decorative Thermometer scales 4-inch	Afmik	$12.00
5668	" " " " 7 "	Afmof	14.00

Page 74

			EACH
5684S	*Tycos* Display Thermometer	Afmur	$60.00
5688S	Display Thermometer, 24 inches x 5 inches	Afmyf	12.00
5688S	" " 30 " x 5½ "	Afnag	15.00
5688S	" " 36 " x 6 "	Afnin	18.00
5688S	" " 42 " x 6½ "	Afnok	22.00
5688S	" " 48 " x 7 "	Afnub	25.00
5688S	" " 60 " x 8 "	Afnyz	48.00
5692S	*Tycos* Display Thermometer	Afoaj	21.00
5692A.S.	" " "	Afobs	24.00

NOTE—Add 20% to list prices of all numbers preceded by a dagger.

Page 76

CAT. NO.	DESCRIPTION	CODE WORD	PER DOZ.
5700	*Tycos* All Glass Floating Churn Therm., 10-in.	Afock	$24.00
5701	" " " " Pasteuring " 10 "	Afodt	24.00
5705	" Flanged Metal Pasteurizing and Churn Thermometer, 10-inch	Afoex	15.00
5715	All Glass Floating Churn and Pasteurizing Thermometer, 8-inch	Akwoy	10.00
6108	Pasteurizing and Sterilizing Thermometer, 9-in.	Afoxi	14.00

Page 77

			PER DOZ.
5730	*Taylor* Flanged Metal Dairy Ther., 8-inch	Afohm	$10.00
5730	" " " " " 10 "	Afoiv	12.00
5730S	" " " " " 8 "	Afoju	9.00
5730S	" " " " " 10 "	Afoka	11.00
5740	Flanged Metal Dairy Thermometer, 8-inch	Afold	6.50
5740	" " " " 10 "	Afomp	8.00
5740S	" " " " 8 "	Afong	6.00
5740S	" " " " 10 "	Aforc	7.50

Page 78

			EACH
†M7164	*Tycos* Lactometer	Afozy	$5.25
†M7168	" Lactodensimeter	Afpal	5.25
†M7168A	" "	Afper	5.25
			PER DOZ.
M7290	*Taylor* Lactometer	Afrul	$48.00
M7292	" Lactodensimeter	Afsas	48.00
M7292A	" "	Afsek	48.00

Page 79

			EACH
†S1537	*Tycos* Lactometer	Afpis	$4.50
†S1542	" "	Afpop	2.25
†S1542A	" "	Afpun	2.25
†S1542B	" "	Afraz	2.25
			PER DOZ.
S7234	*Taylor* Lactometer	Afrep	$ 9.00
S7236	" Lactodensimeter	Afrim	9.00
S7202	Hydrometer for Acid	Afros	10.00

Page 81

			PER DOZ.
5770	*Tycos* Incubator Thermometer	Afsgi	$8.50
5774	" " "	Afsir	7.50
5778	" " "	Afsma	7.50

Page 82

			PER DOZ.
5780	*Tycos* Incubator Thermometer	Afsnu	$ 7.50
5782	" Certified Incubator Thermometer	Afspo	10.50
			PER DOZ.
	Extra wires for hanging Nos. 5774, 5778 and 5782	Afsum	1.25

NOTE—Add 20% to list prices of all numbers preceded by a dagger.

Page 83

CAT. NO.	DESCRIPTION	CODE WORD	PER DOZ.
5790	*Tycos* Brooder Thermometer	Afsyp	$12.00
5792	*Taylor* " "	Aftav	8.00
5794	Brooder Thermometer, Ordinary grade	Aftew	6.00

Page 84

			PER DOZ.
5796	*Tycos* Incubator Hygrometer	Aftic	$18.00
	Extra silk wicks for No. 5796	Aftje	1.20

Page 86

			EACH
5836	*Taylor* Mash Tub Thermometer, Iron Case	Aftku	$ 9.00
5836A	" " " " " "	Aftob	10.00
5840	" " " " Brass "	Aftry	12.00
5840A	" " " " " "	Aftux	13.00
			EXTRA EACH
	"V" Revolving covers for Nos. 5840 and 5840A	Afuap	2.00
	"H" Other ranges to cover not less than 100° and not beyond 400° F. (No extra for 1 dozen or more of the same range.)	Amiwi	2.00
	Fahrenheit Scale only	Afuco	No Extra

Page 87

			EACH
5844	*Taylor* Mash Pipe Thermometer	Aftwi	$ 9.00
5844A	" " " "	Aftxo	10.00
5848	*Taylor* Brine Pipe Thermometer	Aftym	9.00
5848A	" " " "	Aftza	10.00
			EXTRA EACH
	"V" Revolving covers for above cases	Afuap	2.00
	"H" Other ranges to cover not less than 100° and not beyond 400° F. (No extra for 1 dozen or more of the same range.)	Amiwi	2.00
	Fahrenheit Scale only	Afuco	No Extra

Page 88

			EACH
†5880	*Taylor* Brine Pipe Thermometer	Afuga	$ 6.75
†5882	" " " "	Afuhi	8.25
†5884	" " " "	Afulv	9.00
†5886	" " " "	Afumz	10.50
†5888	" " " "	Afunc	9.00
†5890	" " " "	Afuox	10.50
†5892	*Taylor* Brine Pipe Thermometer	Afups	11.25
†5894	" " " "	Afurb	12.75
			EXTRA EACH
†U	Union connection ¾-inch standard pipe thread	Afush	3.00
†B	Bronze front fitted to thermometer when specified	Afutt	2.25
†H	Other ranges to cover not less than 100° and not beyond 400° F. (No extra for 1 dozen or more of the same range.)	Amiwi	2.00
	For greater length of stem up to 6 inches	Afuxy	2.25
	½-inch standard pipe-thread instead of ¾-in.	Afuyg	No Extra

NOTE—Add 20% to list prices of all numbers preceded by a dagger.

Page 89

CAT. NO	DESCRIPTION	CODE WORD	EACH
†1103	*Tycos* Auto-Circulation Thermometer	Afymi	$2.50
†1103S	" " " "	Afybt	2.25
†1104	" " " "	Afyoc	4.75
†1104S	" " " "	Afych	4.50

Page 90

			PER DOZ.
†1107	*Tycos*	Galvanized Iron Case Thermometer	$27.00
†1108	"	" " " " "	27.00
†1111	"	" " " " "	27.00
5403S	"	Japanned Tin Case Thermometer	24.00
5403P.S.	"	Copper Case Thermometer	30.00

Page 91

			PER DOZ.
†1115S	*Tycos*	Shiphold Thermometer	$27.00
5899	"	"	9.00
5899C	*Taylor*	" "	9.00
†1117S	*Tycos*	Fruit-Car Thermometer	27.00
			EACH
†1120	"	Fruit-Testing Thermometer	$5.25
†1120A		Extra tubes for No. 1120	3.00
†Z3770	*Tycos*	Fruit Testing Thermometer	5.25
†Z3770A	*Tycos*	Extra Engraved Tube for No. Z3770	3.00

Page 92

			EACH
†1322	*Tycos*	Sling Psychrometer	$ 9.00
†1322A		Extra Engraved Thermometers for No. 1322	3.00
†1323	*Tycos*	Pocket Sling Psychrometer	10.50
†1323A		Extra Engraved Thermometer for No. 1323	3.00

Page 93

			EACH
†S1510	*Tycos*	Ammonia Hydrometer	$ 1.50
†S1524	"	Calcium Chloride Salometer	1.50
†S1654	"	Calciometer	2.25
†S1548	"	Salt Salometer	1.50
†S1550	" " "		1.50
†S1550A	" " "		1.50

Page 94

			PER DOZ.
5900	*Tycos*	Confectioners' Thermometer, 12-inch	$33.00
5900	"	" " 14 "	39.00
5900	"	" " 16 "	45.00
5900	"	" " 18 "	57.00
5904	"	" " 12 "	27.00
5904	"	" " 14 "	33.00
5904	"	" " 16 "	39.00
5904	"	" " 18 "	51.00
5900A		Extra heavy scales only for 5900, 12-inch	22.00
5900A	" " " " " "	14 "	26.00
5900A	" " " " " "	16 "	30.00
5900A	" " " " " "	18 "	38.00
5904A		Medium-weight scales only for No. 5904, 12-in.	18.00
5904A	" " " " " " "	14 "	22.00
5904A	" " " " " " "	16 "	27.00
5904A	" " " " " " "	18 "	34.00

NOTE—Add 20% to list prices of all numbers preceded by a dagger

Page 95

CAT. NO.	DESCRIPTION	CODE WORD	PER DOZ
5908	*Taylor* Home Candy-Makers Thermometer....	Aganx	$15.00

Page 96

			EACH
5918	*Taylor* Brine-Pipe Thermometer.....	Agarv	$4.50
5920	" " " "	Agaso	5.50
†S1566	*Tycos* Syrup Hydrometer.....	Agaty	1.50
†S1586	" " "	Agaub	1.50
			PER DOZ.
S7262	*Taylor* Syrup Hydrometer	Agaws	$9.00
S7266	" " "	Agayf	9.00
S7380	Syrup Hydrometer.....	Agbay	6.00

Page 97

			PER DOZ.
5928	*Taylor* Home Bake-oven Thermometer.....	Agbil	$18.00
5932	" Fireless-Cooker Thermometer.....	Agble	18.00
			EACH
5934	*Taylor* Dough-Testing Thermometer.....	Agbot	$9.00

Page 98

						PER DOZ
5402	*Tycos*	Thermometer,	10-inch	Black-jap'n'd Tin	Adyax	$16.50
5402	"	"	12 "	" " " "	Adycs	20.00
5402P	"	"	10 "	Copper case	Adyda	20.50
5402P	"	"	12 "	" "	Adyem	26.00
5942	"	"	12 "	Flanged Scale ...	Ageec	30.00
5944	*Taylor*	"	8 "	Flanged Scale....	Agefa	15.00

Page 99

			PER DOZ.
5946P	*Tycos* Hop- and Tobacco-Curing Thermometer	Agego	$24.00
5947	Hop- and Tobacco-Curing Thermometer	Ageig	12.00
5948	" " " " "	Agels	6.00

Page 100

			PER DOZ.
5950	*Tycos* Maple-Syrup Thermometer.....	Agenv	$24.00
5952	*Taylor* " " "	Agerf	13.50
5953	" " " "	Ageuj	13.50
S7268	" " " Hydrometer	Agevt	9.00
S7268A	" " " "	Agexu	9.00

Page 101

			EACH
†1120	*Tycos* Meat-Testing Thermometer.....	Afyev	$5.25
†1120A	Extra Tubes for No. 1120.....	Agges	3.00
†1121	*Tycos* Meat-Testing Thermometer.....	Apgri	5.25
†1121A	" Engraved Therm. for No. 1121.....	Apgug	3.00
†1140	" Meat-Testing Thermometer.....	Aggfi	2.10
†1141	" " " "	Aggip	2.25

NOTE—Add 20% to list prices of all numbers preceded by a dagger.

Page 102

CAT. NO.	DESCRIPTION	CODE WORD	PER DOZ.
5954	*Tycos* Ham-Boiling Thermometer	Ageyd	$24.00
5954	F. & R. *Tycos* Ham-Boiling Thermometer	Agdop	25.00
5956	*Tycos* Ham-Boiling Thermometer	Agfoy	24.00
5956	F. & R. *Tycos* Ham-Boiling Thermometer	Agdun	25.00

Page 103

			EACH
†S1534	*Tycos* Glue Hydrometer	Aggmy	$1.50
†S1548	" Salt Salometer	Aggna	1.50
†S1550	" " "	Aggon	1.50
†S1550A	" " "	Aggpe	1.50
†S1588	" Tank-Water Hydrometer	Aggro	1.50
†S1565	" " " "	Aggut	1.50
			PER DOZ.
S7244	*Taylor* Salt Salometer	Aggyc	$9.00
S7372	Ordinary Salt Salometer	Aghax	6.00

Page 104

			PER DOZ.
5966	*Tycos* Marine Therm. (Air Temp.), 10-inch	Aghem	$21.00
5966	" " " " " 12 "	Aghij	25.00
2967	" " " "Water-Boil"Temp.10-in.	Aghog	21.00
2967	" " " " " " 12 "	Aghyl	25.00
5970	*Taylor* Marine Thermometer, 10-inch	Agiap	21.00

Page 105

			PER DOZ.
†1546	*Tycos* Salinometer	Agico	$18.00
S7242	*Taylor* "	Agiej	12.00
			EACH
7458	*Tycos* Salinometer pot	Agiga	$3.50

Page 106

			PER DOZ.
5981	*Tycos* Soil (Hot Bed) Thermometer	Agihi	$24.00

Page 107

			PER DOZ.
5990	Developing and Toning Bath Thermometer	Agilv	$10.00
5990D	" " " " "	Agimz	10.00
5992	" " " " "	Aginc	5.00
5993	" " " " "	Agiox	6.00
M7204	*Taylor* Actinometer	Agips	9.00

Page 108

			PER DOZ.
6000	Dental-Vulcanizing Thermometer	Agirb	$ 6.50
6002	Rubber-Vulcanizing Thermometer	Agish	15.00
6003	" " "	Agitt	9.00

NOTE—Add 20% to list prices of all numbers preceded by a dagger.

CAT. NO.	DESCRIPTION	CODE WORD	PER DOZ.
Page 109			
†1797	*Tycos* Coal Oil Thermometer	Agiud	$36.00
†1794	" " " "	Agive	15.00
†1795	" " " "	Agixy	18.00
†1796	" " " "	Akyja	12.00
Page 110			PER DOZ.
6030S	*Tycos* Coach Thermometer	Agjam	$20.00
6031	" " "	Agjed	20.00
6031S	" " "	Afovo	20.00
			EXTRA PER DOZ.
	For solid mahogany back	Agjil	$6.00
			EACH
6036	*Tycos* Track-laying Thermometer	Agjof	$5.50
			EACH
6036A	Extra Tube and Scale for 6036	Afjet	$3.50
Page 111			PER DOZ.
6040	Hot-Water Thermometer	Agjur	$20.00
6041	" " "	Agkel	20.00
6042	" " "	Aglav	24.00
6043	" " "	Aglew	24.00
Page 112			EACH
†6044	*Taylor* Hot-Water Thermometer	Aglic	$ 6.75
†6045	" " " "	Aglob	8.25
†6046	" " " "	Aglux	9.00
†6047	" " " "	Aglym	10.50
†6044A	" " " "	Agmaf	9.00
†6045A	" " " "	Agmeg	10.50
†6046A	" " " "	Agmit	11.25
†6047A	" " " "	Agmol	12.75
			EXTRA EACH
†U	Union connection ¾-inch standard pipe thread	Afush	$3.00
†B	Bronze front fitted to thermometer when specified	Afutt	2.25
†H	Other ranges to cover not less than 100° and not beyond 400° F. (No extra for less than 1 doz. or more of the same range)	Amiwi	2.00
	For greater length of stem up to 6 inches	Afuxy	2.25
	½-inch standard pipe-thread instead of ¾-in.	Afuyg	No Extra
Page 113			EACH
6050	*Taylor* Shower Bath Thermometer	Agnoj	$4.50
6051	" " " "	Agnuc	5.50
6054	" " " "	Agnyv	5.50
6055	" " " "	Agobo	6.50
Page 114			EACH
6065	*Tycos* Automatic Electric-Alarm Thermometer	Agoco	$20.00
6066	" " " " "	Agodi	27.00
			EXTRA EACH
	Additional Contacts	Agoeb	$7.00
	Extra Relays	Agofd	5.50

NOTE—Add 20% to list prices of all numbers preceded by a dagger.

Page 116

CAT. NO.	DESCRIPTION	CODE WORD	EACH
6067	*Tycos* Frost-Alarm Thermometer System.....	Agohe	$ 33.00
6068	" " " Annunciator System.....	Agoif	72.00
6068B	" Annunciator Frost-Alarm System.....	Agoks	125.00
6068C	" " " " "	Agomm	180.00

Page 117

			EACH
6070	*Tycos* Electric-Contact Alarm Thermometer...	Agooz	$6.00

Page 118

			PER DOZ.
6080K	*Tycos* Sugar Factory Thermometer.....	Agopa	$33.00

Page 119

			EACH
†1100	*Tycos* Asphalt-Testing Thermometer.....	Agorx	$6.00
†1100A	" Engraved Thermometer for No. 1100...	Agosu	3.75
†1101	" Sand-Testing Thermometer.....	Agouy	7.50
†1101A	" Engraved Thermometer for No. 1101...	Agoxa	5.25
†1102	" Inspector's Pocket Asphalt-Testing Ther.	Agoyn	4.50
†1102A	" Engraved Thermometer for No. 1102...	Agozt	2.25

Page 120

			EACH
†8000	*Tycos* Recording Thermometer (self contained form).....	Ajyti	$45.00
	100 Charts as selected from the following list included with No. 8000 at price listed. Additional Charts at following prices:		PER 100
	Lots of 100.....		$3.00
	" " 500.....		2.40
	" " 1000.....		2.10
	" " 2500.....		1.80
	" " 5000 or more.....		1.50
1501	*Tycos* Recording Therm. Charts....10° to 120°	Ajyus	
1503	" " " " 0° " 100°	Ajywa	
1504	" " " " 0° " 120°	Ageac	
1650	" " " " —25° " +30°	Agebi	
1662	" " " " 0° " 100°	Agece	
1701	" " " " 0° " 100°	Ajyze	
1703	" " " " 10° " 120°	Akaaz	
1704	" " " " 0° " 130°	Akaby	
1705	" " " " 20° " 150°	Agmuk	
1800	" " " " —20° " +50°	Akaca	
1900	" " " " 0° " 100°	Amepy	

Page 125

			EACH
†1400	Engraved Thermometers, 12-inch 20° to 120°.	Agraj	$2.25
†1401	" " 12 " 0° to 220°.	Agrex	2.25
†1402	" " 12 " 30° to 300°.	Agriv	2.25
†1403	" " 14 " 30° to 400°.	Agrow	3.00
†1404	" " 16 " 30° to 600°.	Agryb	3.75
†1405	" " 16 " 30° to 750°.	Agsaw	5.25

NOTE—Add 20% to list prices of all numbers preceded by a dagger.

Page 125—Continued

CAT. NO.	DESCRIPTION	CODE WORD	EACH
†1407	Engraved Thermometers 16 " 100° to 950°.	Agsev	$8.25
†1408	" " 12 " 0° to 100°.	Agsib	2.25
†1409	" " 12 " 0° to 150°.	Agsko	2.25
†1410	" " 14 " 0° to 200°.	Agsmi	3.00
†1411	" " 16 " 0° to 300°.	Agsoc	3.75
†1412	" " 16 " 0° to 400°.	Agsup	5.25
†1414	" " 16 " 50° to 510°.	Agsyk	8.25
†1437	" " 10¼" —30° to 30°.	Agtey	3.75
†1438	" " 10¼" 0° to 350°.	Agtgu	3.75
†1439	" " 12 "—40° to 100°.	Agtyt	3.75

Page 126

Complete with Armor

			EACH
†1440	Graduations in Fahr. scale, 12-inch 20° to 120°.	Aguad	$ 4.50
†1441	" " " " 12 " 0° to 220°.	Agubu	4.50
†1442	" " " " 12 " 30° to 300°.	Aguec	4.50
†1443	" " " " 14 " 30° to 400°.	Agulb	5.25
†1444	" " " " 16 " 30° to 600°.	Agumo	6.00
†1445	" " " " 16 " 30° to 750°.	Aguov	7.50
†1447	" " " " 16 " 100° to 950°.	Aguti	10.50
†1448	" " Cent. " 12 " 0° to 100°.	Aguvy	4.50
†1449	" " " " 12 " 0° to 150°.	Aguwa	4.50
†1450	" " " " 14 " 0° to 200°.	Aguxt	5.25
†1451	" " " " 16 " 0° to 300°.	Aguyx	6.00
†1452	" " " " 16 " 0° to 400°.	Aguze	7.50
†1454	" " " " 16 " 50° to 510°.	Agvef	10.50

Without Armor

			EACH
†1440	Graduations in Fahr. scale, 12-inch 20° to 120°	Akmaw	$2.25
†1441	" " " " 12 " 0° to 220°	Akmev	2.25
†1442	" " " " 12 " 30° to 300°	Akmib	2.25
†1443	" " " " 14 " 30° to 400°	Akmoc	3.00
†1444	" " " " 16 " 30° to 600°	Akmup	3.75
†1445	" " " " 16 " 30 to 750..	Akmyk	5.25
†1447	" " " " 16 " 100 to 950 ..	Aknex	8.25
†1448	" " Cent. " 12 " 0 to 100 ..	Akniv	2.25
†1449	" " " " 12 " 0 to 150 ..	Aknow	2.25
†1450	" " " " 14 " 0 to 200 ..	Aknyb	3.00
†1451	" " " " 16 " 0 to 300 ..	Akoad	3.75
†1452	" " " " 16 " 0 to 400 ..	Akobu	5.25
†1454	" " " " 16 " 50 to 510 ..	Akolb	8.25

		EACH
†1½ Inch Steel Well.....	Agvom	$1.50
†2 " " "	Agvri	1.80
†2½ " " "	Agvug	2.10
†3 " " "	Agvyr	2.40
†3½ " " "	Agwak	2.70
†4 " " "	Agwid	3.00
†4½ " " "	Agwor	3.30
†5 " " "	Agwuz	3.60
†6 " " "	Agxek	4.80
†7 " " "	Agxir	7.20

NOTE—Add 20% to list prices of all numbers preceded by a dagger.

Page 127

CAT. NO.	DESCRIPTION	CODE WORD	EACH
†1484	*Tycos* Pocket Thermometer	Agxum	$2.25
†1484A	Extra Engraved Thermometer for No. 1484	Agydu	2.10
†1485	*Tycos* Pocket Thermometer	Agyaz	2.25
†1485A	Extra Engraved Thermometer for No. 1485	Agyep	2.10
	Above will be furnished with scale graduated in Centigrade if so specified	Agyca	No extra

Page 128

			EACH
†1486	*Tycos* Pocket Maximum Registering Therm.	Agyni	$3.75
†1486A	Extra Engraved Thermometer for No. 1486	Agyos	3.60
†1494	*Tycos* Pocket Maximum Registering Therm.	Agyte	3.75
†1494A	Extra Engraved Thermometer for No. 1494	Agyul	3.60
†1495	*Tycos* Pocket Maximum Registering Therm.	Agyzo	3.75
†1495A	Extra Engraved Thermometer for No. 1495	Agzan	3.60
†1496	*Tycos* Pocket Maximum Registering Therm.	Agzet	3.75
†1496A	Extra Engraved Thermometer for No. 1496	Agzys	3.60
	Above will be furnished with scale graduated in Centigrade if so specified	Agyca	No extra

Page 129

			EACH
†1463	*Tycos* Precision Thermometer	Ahado	$24.00
†1464	" " "	Ahaef	24.00
†1465	" " "	Ahage	24.00
†1466	" " "	Ahaly	28.50
†1467	" " "	Ahaom	33.00
†1468	" " "	Ahapu	33.00
†1469	" " "	Ahari	37.50
†1471	" " "	Ahasa	33.00
†1472	" " "	Ahaug	37.50

Page 130

			EACH
†1480	*Tycos* Gas Calorimeter Inlet Water Therm.	Ahavs	$18.00
†1481	" " " Outlet " "	Ahawd	18 00
	Above will be furnished with scale graduated in Centigrade if so specified	Agyca	No extra
			EACH
†1124	*Tycos* Calorimeter Exhaust Thermometer	Ahayr	2.25
†1476	" Fuel Calorimeter Thermometer	Ahbaz	45.00
†1478	" " " "	Ahbep	33.00
	Above will be furnished with the equivalent range in Fahrenheit if so specified	Ahbim	No extra
			EACH
†1474	*Tycos* Differential Thermometer	Ahbos	30.00

Page 131

			PER DOZ.
6100A	Engraved Chemical Thermometer, 12-inch	Ahbul	$14.00
6100	" " " 12 "	Ahdan	14.00
6101	" " " 12 "	Ahdet	15.00
6102	Engraved Chemical Thermometer 14-inch	Ahdra	19.00
6103	" " " 16 "	Ahdys	22.00

NOTE—Add 20% to list prices of all numbers preceded by a dagger.

Page 131—Continued

CAT. NO.	DESCRIPTION	CODE WORD	PER DOZ.
			EACH
6100C	Engraved Chemical Thermometer 12-inch	Aheas	$14.00
6101C	" " " 12 "	Aheek	15.00
6102C	" " " 14 "	Ahefy	19.00
6103C	" " " 16 "	Ahegi	22.00
6106-C	" " " 14 "	Ahila	20.00
6107C	" " " 16 "	Ahior	21.00
6105	" Battery Thermometer	Aheir	24.00

Page 135

			EACH
6180	*Tycos* Observatory Barometer	Ahema	$80.00
6182	" " "	Ahepo	75.00
			EXTRA EACH
A	Extra 24-in. to 31-in. for use in Alt.of 5000Ft.	Aherl	$ 5.00
B	" 21 " " 31 " " " " " " " " 8000 "	Ahesb	8.00
G	" for Oak board	Aheum	10.00
H	Glass cover for protecting the scale	Aheyp	3.50
J	Inch and Metric scale double vernier	Ahfev	7.00
	NOTE–Extra charge to insure safe delivery	Akgav	2.50
			EACH
6185	*Tycos* Marine Barometer	Ahfib	$90.00

Page 136

			EACH
6190	*Tycos* Improved Mercurial Barometer	Ahfoc	$30.00
			EXTRA EACH
A	Extra 24-in. to 31-in. for use in Alt. of 5000 Ft.	Ajnux	$ 3.00
B	" 21 " " 31 " " " " " " " " 8000 "	Ajoaf	4.00
	Tube for No. 6190, filled with mercury, with screw stopper	Ahfup	12.00
	" " " 6190 Mercury filled without screw stopper	Ahfyk	10.50
			EACH
6196	Library Barometer	Ahgoy	$15.00
6196A	Extra tubes for No. 6196, with mercury	Akluc	10.50

Page 140

			EACH
†M7000	Sugar Hydrometer, Brix scale 0° to 11°	Ahire	$4.50
†M7000-A	" " " " 9° to 21°	Ahisy	4.50
†M7000-B	" " " " 19° to 31°	Ahiuz	4.50
†M7000D	" " " " 29° to 41°	Ahkag	4.50
†M7000E	" " " " 39° to 51°	Ahkin	4.50
†M7000F	" " " " 49° to 61°	Ahkok	4.50
†M7000G	" " " " 59° to 71°	Ahkub	4.50
†M7000H	" " " " 69° to 81°	Ahkyf	4.50
†M7000J	" " " " 79° to 91°	Ahley	4.50
†M7000K	" " " " 89° to 100°	Ahlgu	4.50

Page 141

			EACH
†S1500	Acid Baumé scale 0° to 70°	Ahlyt	$1.50
†S1502	" " " 0° to 35°	Ahmuy	1.50
†S1502A	" " " 35° to 70°	Ahnel	1.50

NOTE—Add 20% to list prices of all numbers preceded by a dagger.

Page 141—Continued

CAT. NO.	DESCRIPTION	CODE WORD	EACH
†S1506	Alkali Baumé scale 0° to 60°	Ahoam	$1.50
†S1508	" " " 0° to 20°	Ahoed	1.50
			PER DOZ.
S7110A	Battery Specific Gravity Scale	Ahofs	$18.00
S7112	" " " "	Ahojo	9.00
			EACH
†S1516	Baumé scale heavy liquids 0° to 25°	Ahokt	$1.80
†S1516A	" " " " 25° to 50°	Aholu	1.80
†S1516B	" " " " 50° to 70°	Ahome	1.80
†S7114	" " " " 0° to 10°	Ahony	2.25
†S7114A	" " " " 10° to 20°	Ahoof	2.25
†S7114B	" " " " 20° to 30°	Ahopi	2.25
†S7114D	" " " " 30° to 40°	Ahorp	2.25
†S7114E	" " " " 40° to 50°	Ahota	2.25
†S7114F	" " " " 50° to 60°	Ahour	2.25
†S7114G	" " " " 60° to 70°	Ahowl	2.25
†S7116	" " light " 10° to 20°	Ahoyz	2.25
†S7116A	" " " " 20° to 30°	Ahpab	2.25
†S7116B	" " " " 30° to 40°	Ahpen	2.25
†S7116D	" " " " 40° to 50°	Ahpix	2.25

Page 142

			EACH
†S7116E	Baumé scale light liquids 50° to 60°	Ahpoj	$2.25
†S7116F	" " " " 60° to 70°	Ahpuc	2.25
†S7116G	" " " " 70° to 80°	Ahrac	2.70
†S7116H	" " " " 80° to 90°	Ahrbi	3.00
†S1539	Condensed Milk specific gravity scale	Akusu	2.25
†S1540	" " Baumé scale 0° to 15°	Akuyn	2.25
†S1545	Evaporated milk Baumé scale 5° to 15°	Akuzt	2.25
†S1552	Specific gravity scale heavy liquids	Ahrce	1.50
†S1553	" " " " "	Ahrez	1.80
†S1553A	" " " " "	Ahrfa	1.80
†S1553B	" " " " "	Ahrgo	1.80
†S1553D	" " " " "	Ahrig	1.80
†S1553E	" " " " "	Ahruj	2.10
†S7118	" " " " "	Ahrxu	2.70
†S7118A	" " " " "	Ahryd	2.70
†S7118B	" " " " "	Ahsax	2.70
†S7118D	" " " " "	Ahsem	2.70

Page 143

			EACH
†S7118E	Specific gravity scale heavy liquids	Ahsij	$2.70
†S7118F	" " " " "	Ahsog	2.70
†S7118G	" " " " "	Ahsyl	2.70
†S7118H	" " " " "	Ahtaj	2.70
†S7118J	" " " " "	Ahtex	3.00
†S7118K	" " " " "	Ahtiv	3.00
†S7120	" " " " "	Ahtju	3.30
†S7120A	" " " " "	Ahtka	3.30
†S7120B	" " " " "	Ahtvo	3.30
†S7120D	" " " " "	Ahtwe	3.30
†S7120E	" " " " "	Ahtxi	3.30
†S7120F	" " " " "	Ahtyb	3.30
†S7120G	" " " " "	Ahuaf	3.30

NOTE—Add 20% to list prices of all numbers preceded by a dagger.

Page 143—Continued

CAT. NO.	DESCRIPTION	CODE WORD	EACH
†S7120H	Specific gravity scale heavy liquids	Ahude	$3.30
†S7120J	" " " " "	Ahueg	3.30
†S7120K	" " " " "	Ahuhr	3.30
†S7120L	" " " " "	Ahuit	3.30
†S7120N	" " " " "	Ahuja	3.30
†S7120P	" " " " "	Ahuli	3.30
†S7120R	" " " " "	Ahzic	3.30
†S7120U	" " " " "	Ahzob	3.30
†S7120W	" " " " "	Ahzux	3.30
†S7120Y	" " " " "	Ahzwi	3.75
†S1554A	" " " " "	Ahzym	3.75
†S1554B.	" " " " "	Ajabo	3.75

Page 144

			EACH
†S1554D	Specific Gravity scale heavy liquids	Ajacy	$3.75
†S1555	" " " light "	Ajadi	1.50
†S1555D	" " " " "	Ajaeb	1.80
†S1555E	" " " " "	Ajafd	1.80
†S1555H	" " " " "	Ajagg	2.10
†S1555J	" " " " "	Ajahe	2.10
†S1555K	" " " " "	Ajaif	2.10
†S1555L	" " " " "	Ajaks	2.40
†S7122	" " " " "	Ajamm	3.30
†S7122A	" " " " "	Ajaoz	3.30
†S7122B	" " " " "	Ajapa	3.30
†S7122D	" " " " "	Ajarx	3.30
†S7122E	" " " " "	Ajasu	3.30
†S7122F	" " " " "	Ajauv	3.30
†S7122G	" " " " "	Ajayn	4.50
†S7124	Spirit U. S. I. R. "scale"	Ajazt	2.25
†S7124A	" " " " "	Ajbel	2.25
†S7124B	" " " " "	Ajcuy	2.25
†S7124D	" " " " "	Ajdar	2.25
†S7124E	" " " " "	Ajdiz	2.25
†S1566	Sugar Balling scale	Ahuns	1.50
†S7130	" " "	Ahuol	2.25

Page 145

			EACH
†S7130A	Sugar Balling scale 10° to 20°	Ahupy	$2.25
†S7130B	" " " 20° to 30°	Ahurz	2.25
†S7130D	" " " 30° to 40°	Ahusd	2.25
†S7130E	" " " 40° to 50°	Ahuwu	2.25
†S7130F	" " " 50° to 60°	Ahval	2.25
†S7130G	" " " 60° to 70°	Ahver	2.25
†S7130H	" " " 70° to 80°	Ahvis	2.25
†S7130J	" " " 80° to 90°	Ahvop	2.25
†S7134	" Brix " 0° to 10°	Ahvun	2.25
†S7134A	" " " 10° to 20°	Ahwad	2.25
†S7134B	" " " 20° to 30°	Ahwec	2.25
†S7134D	" " " 30° to 40°	Ahwov	2.25
†S7134E	" " " 40° to 50°	Ahwus	2.25
†S7134F	" " " 50° to 60°	Ahydd	2.25
†S7134G	" " " 60° to 70°	Ahyle	2.25
†S7134H	" " " 70° to 80°	Ahyot	2.25

NOTE—Add 20% to list prices of all numbers preceded by a dagger.

Page 145—Continued

CAT. NO.	DESCRIPTION	CODE WORD	EACH
†S7134J	Sugar Brix Scale 80° to 90°	Ahyrs	$2.25
†S7138	" " " —5° to +5°	Ahysi	2.25
†S7138D	" " " 5° to 15°	Ahzav	2.25
†S7138E	" " " 15° to 25°	Ahzew	2.25
†S1582	Sulphuric Acid Specific Gravity scale	Ajdod	2.25

Page 146

			EACH
†S1592	Twaddle scale No. 1, 0° to 24°	Ajduf	$1.50
†S1592A	" " " 2 24° to 48°	Ajeaz	1.50
†S1592B	" " " 3 48° to 72°	Ajeca	1.50
†S1592D	" " " 4 72° to 100°	Ajedu	1.50
†S1592E	" " " 5 100° to 134°	Ajeep	1.50
†S1592F	" " " 6 134° to 180°	Ajegd	1.50
			EXTRA EACH
	"C"—Added to No. designates certified	Ajeim	$ .25
	"T"— " " " " Therm. combined with Hyd.	Ajeni	3.75
			EACH
†M7150	Barkometer scale	Ajeos	$5.25
†M7152B	Beer Balling scale	Ajete	5.25
†M1638	Glueometer Dry Glue Percent scale	Ajeul	5.25
†M1640	Glue Baumé scale	Ajewt	4.50
†M7164	Lactometer scale	Afozy	5.25

Page 148

			EACH
†M7168	Lactodensimeter scale	Afpal	$ 5.25
†M7168A	" "	Afper	5.25
†M1643	Salt Salometer scale	Ajfle	4.50
†M1648	Varnish Baumé Specific Gravity Scales	Ajfot	5.25
†M7182	Vinegar Solidimeter Scale	Ajgey	5.25
†7190	*Tycos* Liquor Test Set	Ajgyt	27.00
†7192	" " " "	Ajhap	27.00
†7192A	U. S. Internal Revenue Gauger's Manual	Ajhox	3.30
	Extra for certificates for four points on each stem	Ajhud	7.50

Page 149

			EACH
†1656	*Tycos* Wine-test Set	Ajhyg	$27.00
†S1556	" Spirit Hydrometer	Ajiac	4.50
†S1556A	" " "	Ajibi	4.50
†S1556B	" " "	Ajice	4.50
†S1556D	" " "	Ajiez	4.50
†S1556E	" " "	Ajifa	4.50
†1658	" Brewer's Test Set	Ajigo	20.00
†1658C	" " " "	Ajils	24.50
†M1660	" Ballings's Saccharometer	Ajinv	5.25
†M1660C	" " "	Ajirf	6.75
†M1662	" " "	Ajisr	5.25
†M1662C	" " "	Ajixu	6.75
†M1664	" " "	Ajkal	5.25
†M1664C	" " "	Ajker	6.75

NOTE—Add 20% to list prices of all numbers preceded by a dagger.

Page 150

CAT. NO.	DESCRIPTION	CODE WORD	PER DOZ.
S7202	Acid Specific Gravity Scale	Afros	$10.00
M7204	Actinometer Scale	Ajkne	9.00
S7206	Alkali Baumé Scale	Ajkop	9.00
S7210	Barkometer Scale	Ajlaw	9.00
S7214A	Battery Specific Gravity Scale	Ajlev	9.00
S7214B	" " " "	Ajlib	7.25
S7220	Baumé Scale heavy liquids	Ajloc	9.00
S7222	" " " "	Ajlup	9.00
S7222A	" " " "	Ajlyk	9.00
S7223	" " " "	Ajmaj	9.00
S7224	Calcium Chloride Salometer	Ajmex	9.00
S7230	Gasoline Baumé Scale	Ajmiv	9.00
S7230A	" " "	Ajnic	9.00
S7232	Heavy liquids Baumé and Specific Gravity	Ajnob	12.00

Page 152

			PER DOZ.
S7234	Lactometer Scale	Afrep	$ 9.00
S7236	Lactodensimeter Scale	Afrim	9.00
S7238	Light liquids Baumé and Specific Gravity Scale	Ajode	12.00
S7240	Li-Sul-Sprayometer Baumé & Specific Gravity	Ajoeg	12.00
S7242	Salinometer special Sea Water Scale	Ajohr	12.00
S7244	Salt Salometer	Ajoit	9.00
S7248	Specific Gravity Scale heavy liquids	Ajoli	9.00
S7252	" " " " "	Ajons	9.00
S7258	Spirit Proof and Tralle Scale	Ajool	9.00
S7261	Sugarmeter Balling's Saccharometer Scale	Ajopy	9.00
S7262	Sugar Balling Scale	Ajorz	9.00
S7264	" Brix Scale	Ajosd	12.00
S7264A	" " "	Ajoto	12.00
S7264B	" " "	Ajouk	12.00
S7266	Syrup Baumé Scale	Ajowu	9.00
S7268	" (Maple) Baumé Scale	Ajrax	9.00
S7268A	" " " "	Ajrem	9.00
S7270	Twaddle Scale No. 1	Ajrog	9.00

Page 153

			PER DOZ.
S7270A	Twaddle Scale	Ajryl	$ 9.00
S7270B	" "	Ajsab	9.00
S7270D	" "	Ajsen	10.00
S7270E	" "	Ajsix	10.00
S7270F	" "	Ajsuc	12.00
S7272	Universal Hydrometer	Ajtan	15.00
			EXTRA PER DOZ.
T	Thermometer Combined with Hydrometer	Ajeni	$40.00
			PER DOZ.
M7286	Freezometer	Ajtet	$33.00
M7286A	"	Ajtra	30.00
M7288	Gasoline Baumé Scale	Ajtys	33.00
M7288A	Gasoline Hydrometer	Ajuag	30.00
M7290	Lactometer Scale	Afrul	48.00
M7292	Lactodensimeter Scale	Afsas	48.00

Page 154

CAT. NO.	DESCRIPTION	CODE WORD	PER DOZ.
M7292A	Lactodensimeter	Afsek	$48.00
M7294	Spirit Proof and Tralle Scales	Ajuft	48.00
S7316	Battery Baumé Scale and Specific Gravity	Ajulp	6.00
S7320	Baumé Scale heavy liquids	Ajunx	6.00
S7324	Baumé Scale light liquids	Ajuok	6.00
S7328	Baumé & Specific Gravity Scale, heavy liquids	Ajurv	6.00
S7332	" " " " " light liquids	Ajuso	6.00
S7360	Lactometer Per Cent Scale	Ajuvd	6.00
S7372	Salt Salometer Scale	Ajuyf	6.00
S7376	Spirit Hydrometer Proof and Tralle Scale	Ajvas	6.00
S7380	Syrup Hydrometer Baumé Scale	Ajvek	6.00

Page 155

			PER DOZ.
7400	*Tycos* Chargometer	Ajvir	$42.00
7402	" "	Ajvum	24.00
7404	" "	Ajvyp	12.00

Page 156

			EACH
S7410	*Taylor* Li-Sul-Sprayometer Set	Ajwam	$1.50

Page 157

			EACH
7422	*Tycos* Beer Hydrometer	Ajwed	$6.00
7448	" Copper Hydrometer Can	Ajwik	5.00
7450	" " " "	Ajwof	7.00
7458	" Heavy Planished Copper Pot	Ajwur	3.50
7448A	" Silvered Brass Scale Thermometer	Ajxat	1.50
7450A	" Ivory Scale Thermometer	Ajxep	3.50
			PER DOZ.
7466	Glass Jars, A 6-inch x 1 -inch	Ajxom	$ 4.50
7466	" " B 8 " x 1½ "	Ajxug	4.75
7466	" " C 10 " x 2 "	Ajyad	6.00
7466	" " D 12 " x 2 "	Ajybu	7.25
7466	" " E 14 " x 2 "	Ajyec	9.00
7466	" " F 16 " x 2 "	Ajymo	10.75
7466	" " G 18 " x 2 "	Ajyov	12.50

Page 162

			EACH	
2075CK	*Tycos* Altitude Barometer	Ajezo	~~$36.00~~	$30.00
2075DK	" " "	Ajfay	~~37.00~~	30.75
2075FK	" " "	Ajfil	~~40.00~~	33.25

Page 163

			EACH
2082G	*Tycos* Altimeter	Akawt	$80.00
2082H	" "	Akazo	80.00
2082 I	" "	Akbey	80.00
			EACH
	Extra for Radium Dials, 20,000 Ft	Akbyt	$4.00
	" " " " 25,000 "	Amict	4.00
	" " " " 30,000 "	Amiff	4.00

Page 164

CAT. NO.	DESCRIPTION	CODE WORD	EACH
2085A	*Tycos* Aeroplane Inclinometer	Akdat	$15.00
2085B	" " "	Akdef	15.00
2086	" " "	Akdom	5.00

Page 165

			EACH
2200	*Tycos* Brass Case Aneroid Barometer	Akdri	$ 8.00
2202	" " " " "	Akdug	9.00
2205	" " " " "	Akdyr	9.75
2207	" " " " "	Akeag	12.50
	Nos. 2205 or 2207 will be supplied if so specified, with dial engraved in the metric scale and with weather words in Spanish	Akeci	No extra
	or with metric scale in addition to the inch scale and with weather words in Spanish	Akeba	

Page 166

			EACH
2224	*Tycos* Universal Aneroid Barometer	Akedz	$8.00
2225	" Lifebuoy Aneroid Barometer	Akeft	8.00

Page 167

			EACH
2217	*Tycos* Brass Case Aneroid Barometer	Akehu	$10.50

Page 168

			EACH
2202	*Tycos* Special Brass Case Aneroid Barometer	Akein	$10.25
2202	" " " " " "	Akeke	10.25
2250	" " " " " "	Akelp	16.50

Page 169

			EACH
2230APL-5-inch	—*Tycos* Yacht or Engine Room Barometer	Akenx	$20.00
2230APL-6	" " " " " " "	Akeok	24.00
2230L-5	" " " " " " "	Akerv	16.50
2230L-6	" " " " " " "	Akeso	19.50
	NOTE—Nos. 2230 A. P. L. or 2230 L (in 5-inch size only) if specified, with dial engraved in the metric scale with weather words in Spanish;	Akeci	No extra
	Or with metric scale in addition to the inch scale and with weather words in Spanish, same as 2205 and 2207	Akeba	

Page 170

			EACH
2250-5-inch	—*Tycos* Special Case Aneroid Barometer	Akety	$15.00
2250-6	" " " " "	Amigz	20.00
	NOTE—No. 2250 (in 5-inch size only) if specified, with dial engraved in the metric scale, weather words in Spanish	Akeci	No extra
	Or with metric scale in addition to the inch scale and with weather words in Spanish, same as 2205 and 2207	Akeba	

Page 171

			SET
X	*Tycos* Patented Folding Feet	Akyns	$ .50

CAT. NO.	DESCRIPTION	CODE WOOD	EACH
Page 172			
2252	*Tycos* Brass Case Aneroid Barometer	Akeub	$10.00
2253	" " " " "	Akevd	15.00
	NOTE—Nos. 2252 and 2253 if specified with dial engraved in the metric scale with weather words in Spanish	Akeci	No extra
	Or with metric scale in addition to the inch scale and with weather words in Spanish, same as 2205 and 2207	Akeba	No extra
Page 173			EACH
2314	*Tycos* "Cyclo-Stormograph"	Akfan	$50.00
	Charts for "Cyclo-Stormograph" for one year	Akfet	2.00
	Forecast cards No. 96	Akflo	1.00
	Bottles of ink	Akfra	.45
	Pens	Akfys	1.00
Page 174			EACH
	Weather Forecast Cards	Akflo	$1.00
Page 175			SET
84	*Tycos* Thermograph Chart	Akgew	$2.00
85	" " "	Akgio	2.00
86	" " "	Akgob	2.00
Page 176			EACH
2350	*Tycos* Thermograph	Amije	$50.00
Page 178			EACH
2525	*Tycos* Weather Barometer	Akyol	$12.00
2526	" " "	Akyto	17.00
Page 180			EACH
2703	*Tycos* Howard's Gauge	Akgry	$7.50
2709	*Tycos* British Association Gauge	Akgux	9.00
2710	" " " "	Akgym	12.75
	Measuring glasses, for 5-in. rain gauges	Akhac	1.50
	" " " 8 " " "	Akhez	2.50
Page 181			EACH
2715	*Tycos* Glaisher's Rain Gauge	Akhuj	$13.50
2716	" " " "	Akhyd	19.50
	Measuring glasses, for 5-in. rain gauges	Akhac	1.50
	" " " 8 " " "	Akhez	2.50
	"Camden" measuring glasses, for 5-inch rain gauges	Akhig	2.50
	"Camden" measuring glasses, for 8-inch rain gauges	Akiam	5.00

CAT. NO.	DESCRIPTION	CODE WORD	PER SET
Page 182			
2909	*Taylor* Compass Assortment	Akied	$14.50
Page 183			PER DOZ.
2905	*Taylor* Telaway Compass	Akifs	$6.00
Page 184			PER DOZ.
2910	*Taylor* Leedawl Compass	Akijo	$12.00
2911	" Magnapole "	Akikt	15.00
Page 185			PER DOZ.
2912	*Taylor* Flodial Compass	Akilu	$15.00
2913	" Litenite "	Akime	21.00
Page 186			PER DOZ.
2914	*Taylor* Gydawl Compass	Akiny	$24.00
2914G	" " " (Gold Filled Case)	Akiof	EACH $6.00
2915	" Aurapole "	Akipi	PER DOZ. $27.00
2915G	" " " (Gold Filled Case)	Akirp	EACH $6.00
Page 187			PER DOZ.
2916	*Taylor* Meradial Compass	Akita	$27.00
2916G	" " " (Gold Filled Case)	Akiur	EACH $6.00
2917	" Ceebynite "	Akjuy	PER DOZ. $33.00
2917G	" " " (Gold Filled Case)	Akkas	EACH $6.00
Page 188			PER DOZ.
2918	*Taylor* Usanite Compass	Akkek	$39.00
2918G	" " " (Gold Filled Case)	Akkir	EACH $7.00
Page 189			EACH
3020	*Tycos* Pocket Reflecting Prism Level	Akknu	$5.00
3020½	" " " " "	Akkum	7.50
3021	" " " " "	Akkyp	6.00
3022	" " " Level	Aklab	4.00

Page 190

CAT. NO.	DESCRIPTION	CODE WORD	PER DOZ.
4050	*Tycos* Instruction Chart	Aklen	$6.00
4051	" " "	Aklix	3.00

Page 191

			PER DOZ.
4052	Meteorological Register Pad	Akloj	$5.00

Page 192

			EACH
Booklet A	"Practical Hints for Amateur Weather Forecasters"	Akadu	$ .10
" B	"Humidity, its effect on our Health and Comfort"	Akaep	.10
" C	"The Mountains of Cloudland and Rainfall"	Akagd	.10
" D	"The Thermometer and its Family Tree"	Akaim	.10
" E	"The Barometer as the Foot Rule of the Air"	Akani	.10
" F	"The Compass the Signpost of the World"	Akaos	.10

Page 193

			PER DOZ.
Book–G	Weather and Weather Instruments Semi-Flex. (50 copies $3.50 per doz., 100 copies $25.00.)	Akaul	$4.00
Book–H	Weather and Weather Instruments, stiff cloth cover (25 copies $7.00 per doz., 50 or more copies $6.00 per doz.)	Akate	8.00

Use the following Code Words to specify quantities wanted, whenever the Code Word listed in connection with Catalog Number does not give this information.

	PIECES	DOZEN	GROSS	HUNDRED	THOUSAND
1	Otlaw	Otouv	Otydo	Ovcer	Ovgiz
2	Otlez	Otrak	Otyef	Ovciv	Ovgow
3	Otlix	Otrex	Otyhi	Ovcol	Ovgur
4	Otlov	Otric	Otyik	Ovcug	Ovgyg
5	Otlul	Otroj	Otyll	Ovcyc	Ovhal
6	Otlyr	Otrub	Otymy	Ovdav	Ovhen
7	Otmaz	Otryf	Otyom	Ovdeg	Ovhip
8	Otmer	Otsah	Otypt	Ovdib	Ovhox
9	Otmiv	Otses	Otyss	Ovdod	Ovhuz
10	Otmol	Otslu	Otyta	Ovdun	Ovhyb
11	Otmug	Otsne	Otyud	Ovdyx	Ovian
12	Otmyc	Otsot	Otyve	Oveap	Ovibu
13	Otnax	Otsra	Ovaab	Oveci	Ovicy
14	Otnev	Otsuy	Ovacs	Oveeb	Oviek
15	Otniv	Otuab	Ovael	Ovefa	Ovife
16	Otnor	Otucs	Ovafi	Ovego	Ovigi
17	Otnum	Otuel	Ovagy	Oveif	Oviin
18	Otnyl	Otufi	Ovaid	Ovely	Ovilt
19	Otoap	Otugy	Ovaju	Oveme	Ovioc
20	Otoci	Otuid	Ovake	Ovens	Ovirx
21	Otode	Otuju	Ovalv	Oveok	Ovisa
22	Otofa	Otuke	Ovama	Ovepu	Oviuf
23	Otogo	Otulv	Ovant	Overc	Oviyz
24	Otoif	Otuma	Ovaof	Ovett	Ovizo
25	Otoly	Otunt	Ovapp	Oveuv	Ovkac

Miscellaneous Code Words

CODE WORD	CODE MEANING
Obalc	Cable when our order of ..... (or No. .....) will be shipped.
Obanf	Can you ship immediately?
Obaru	Did you ship as promised for .....?
Obavi	Cannot intelligently advise shipping date. Writing.
Obayl	Enter our order. Will write shipping instructions.
Obbed	Express today or advise by mail when you will.
Obblu	Express immediately.
Obbur	Express part of order immediately.
Obcey	Freight immediately.
Obdaf	Freight part of order immediately.
Obdit	Freight today or advise by mail when you will.
Obdli	Goods not received. Wire when and how shipped. Send tracer.
Obduk	How soon can you ship?
Obebt	Have you shipped as promised?
Obedy	Hold shipment of our order of ..... (or No. .....) Letter follows.
Obegs	Ship by mail immediately.
Obeib	Ship cheapest way.
Obelf	Ship as follows on our order of ..... (or No. .....).
Obenz	Suspend shipment of our order of ..... (or No. .....) until further instructions.
Oberd	Trace shipment and have carrier show delivery of goods covered by your invoice of ..... (or No. .....).
Obeup	When will you ship our order of ..... (or No. .....)?
Obexa	When will you forward our order of ..... (or No. .....)?
Obfla	We will ship not later than .....
Obfre	We cannot possibly ship before .....
Obhag	Answer by mail.
Obhok	Answer by wire.
Obhyf	Add to our order of ..... (or No. .....).
Obiby	Can you duplicate our order of ..... (or No. .....) at same price?
Obidu	Duplicate our order of ..... (or No. .....).
Obini	Enter order and bill to us, but ship direct to .....
Obite	Have telegram repeated.
Obizo	Refer to our letter of .....
Obkes	Refer to your letter of .....
Obkna	Quote prices by return mail.
Obkro	Ship and draw, with bill of lading attached.
Oblac	Substitute nearest stock range.
Oblig	Price and delivery on .....
Obmek	Wire best price we can make to .....
Obmum	What is the general opinion of .....
Obneb	Will advise as soon as possible.
Obnoz	We do not understand your telegram.
Obnyn	What quantities have you ready for shipment?

(JUNE 1919 EDITION)

Thermometers, Hydrometers, Barometers, Pocket Magnetic Compasses, Etc.

REG'D. TRADE MARK
Tycos
ROCHESTER, N.Y.

Taylor Instrument Companies

Executive Offices and Factory

Rochester, N. Y., U. S. A.

NEW YORK CHICAGO BOSTON PHILADELPHIA WASHINGTON ST. LOUIS TORONTO

3115 6-19 5 M

COPYRIGHT 1919
TAYLOR INSTRUMENT COMPANIES.
ROCHESTER, N. Y.

ESTABLISHED 1851 INCORPORATED 1907

THIS catalog marks our sixty-eighth year of uninterrupted work and zeal in the development and manufacture of thermometers and kindred instruments for the indicating, recording and controlling of temperatures.

On the following page is a summary of what we manufacture. The infinite variety of uses to which our product is applicable makes it impossible to give a complete list under one cover. If you will write us of your needs, we will gladly send special printed matter covering the instruments which will best meet your requirements.

Tycos

What It Stands For

In making our instruments there are of necessity grades of nicety in the details of manufacture, finish and accuracy. Only the very best bear our *Tycos* trade mark, which, wherever it appears, indicates "best quality."

This word *Tycos*—made up of the "T" and "y" from "Taylor" and the "C," "o" and "s" from "Companies" of our name, *Taylor Instrument Companies*, has become generally and favorably known through our extensive advertising campaigns and the wide distribution of our product.

Terms of Sale and Points to be Observed in Ordering Goods

1—All orders for thermometers, unless otherwise listed or specified, will be filled with those having Fahrenheit scale only.

2—Always order by catalog number, unless code word is used.

3—We employ the most experienced packers and observe every possible precaution in the packing of goods, to avoid damage during transportation. Our prices are all based on "F.O.B. Rochester" terms, and we can assume no responsibility for breakage or other damage after a package leaves our premises and is receipted for in good order by the transportation company.

4—No goods sent C. O. D. without a remittance with order sufficient to cover charges in case the goods are not taken promptly on arrival at destination.

5—Our terms are "net thirty days, F.O.B. Rochester, N. Y."

6—**Prices subject to change without notice.**

Cable Address: "Tycos-Rochester"

Codes Used: A. B. C. Fifth Edition; Western Union, Universal Edition.

HOME OF *Tycos* PRODUCTS

IN ADDITION TO THE NUMBERS LISTED IN THIS CATALOG WE MANUFACTURE A COMPLETE LINE OF INSTRUMENTS FOR INDICATING, RECORDING AND CONTROLLING TEMPERATURES

SOME OF THESE ARE

INDUSTRIAL THERMOMETERS (H. & M. TYPE)
CAPILLARY RECORDING THERMOMETERS
SELF-CONTAINED RECORDING THERMOMETERS
CAPILLARY INDEX (OR DIAL) THERMOMETERS
THERMOELECTRIC PYROMETERS
RECORDING THERMOELECTRIC PYROMETERS
FÉRY RADIATION PYROMETERS
TEMPERATURE CONTROLLING DEVICES
TIME CONTROLS
CAPILLARY ELECTRIC-CONTACT TEMPERATURE CONTROLS
LABORATORY ENGRAVED THERMOMETERS
HYGROMETERS (WET AND DRY BULB) INDICATING AND RECORDING
OUTDOOR AND HOUSEHOLD THERMOMETERS
THERMOGRAPHS
MEDICAL AND GENERAL USE THERMOMETERS
COAL OIL TESTING INSTRUMENTS

WE ALSO MAKE

HYDROMETERS, MERCURY COLUMN VACUUM GAUGES, ANEROID BAROMETERS
AVIATION ALTIMETERS, BAROGRAPHS, POCKET COMPASSES
SPHYGMOMANOMETERS, ETC., ETC.

CATALOGS ON REQUEST

MEDICAL INSTRUMENT PART

The *Tycos* Fever Thermometer

Taylor-"68" and *Taylor*-"69" Clinical Thermometers

The *Tycos* Sphygmomanometer

Tycos Urinary Analysis Glassware, Etc.

Taylor Instrument Companies

Rochester, N. Y., U. S. A.

"Where *Tycos* Thermometers Come From"

REG'D. TRADE MARK
Tycos
ROCHESTER, N.Y.

The Making of Clinical Thermometers

THE glass tubing from which Clinical Thermometers are made must be of the finest quality. From a crucible containing the molten glass, an amount about the size of a peach pit is taken up on the end of a blow-pipe, deftly twirled, being blown the while to about 2½ inches in diameter and elliptical in form.

By dipping in the crucible, more glass is added and the blowing continues. It is then passed to an expert workman, who adds still more glass and rolls it on an iron kneading-board. He works with extreme rapidity, maintaining the symmetry of the ball and keeping it at white heat. In former years, at this stage another workman attached his blow-pipe to the bottom of the mass, and both blowing, they moved away from each other, drawing the mass into the form of a tube of the required size. These drawings frequently exceeded three hundred feet in length. The glass cooled quickly, was cut into even lengths, and tempered and straightened in the annealing ovens. At the completion of this process, the lengths so cut, known as "canes," were sealed at both ends with wax, to prevent the gathering of any moisture in the bore. A great improvement has now been made in the method of drawing tubing, the glass being drawn up a high tower by mechanical means, insuring a more perfect product.

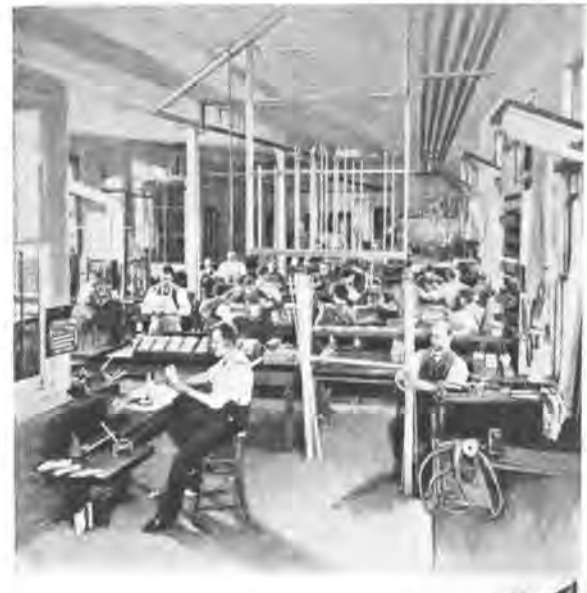
The first step in the manufacture of Clinical Thermometers is the selection of the glass according to its outside diameter, and then determining the size of the bore by means of a powerful magnifying glass. Upon the size of the bore depends the size of the bulb, for the range of scale desired being from 95° to 110°, the bulb must be of a capacity to produce this scale upon the full length of the thermometer stem. The capacity of the bulb to the capacity of the bore is in a ratio of about 1000 to 1. The bore of a half-minute thermometer is so small that it is impossible to insert a human hair therein.

The skill and accuracy required of the man who examines the bore and determines its size are quite as marvelous as the skill required of the workman at the blow bench in attaching and forming a bulb which will have such relative capacity to the bore as to produce the scale of 95° to 110°, and have it cover, and only cover, the full length of the stem. If the bulb is smaller than the required capacity, by reason of the smaller quantity of mercury therein, the expansion, as shown by the rising of the mercury in the stem of the tube, will be less for every degree of applied heat, and testing and

The Making of Clinical Thermometers—Continued

graduating will develop the fact that the scale will not cover the full length of the stem. This would crowd the graduated lines so close as to make them difficult to decipher, and also add to the difficulty of testing and the issue of a certificate of accuracy. A reverse condition would be equally objectionable, from the standpoint of the stem not being long enough for the required scale. This illustrates the remarkable skill required of the expert workmen employed in these operations.

Clinical Thermometers are self-registering. Where one or two-tenths of a degree change in temperature is considered of importance, as in clinical observations, were the thermometers not self-registering it would be impossible for the physician or nurse to note the reading quickly enough to determine the temperature of the patient to the exact fraction of a degree. Self-registration was formerly effected by a separation of the mercury column in the stem, by means of a minute air space which prevented the separated part from uniting with the main column. As the column rose it forced the separated part up the stem, where it remained until shaken back. Unless great care was observed in shaking the separated portion back, the air space was often forced through it, and the detached portion of mercury united with the column, destroying the self-registering feature. This method is now obsolete, and probably 99 per cent. of all Clinical Thermometers are now made with an "indestructible index." This is formed by blowing in the stem of the tube near the bulb a slight expansion of the bore, called a "chamber." By the application to the back of the tube, opposite the chamber, of an intensely hot and very pointed flame, the chamber is melted in, forming an arch over which the mercury rises from the bulb, when heat is applied. This arch being an obstruction to the easy flow of the column of mercury, the column breaks at the arch and remains stationary in the stem of the tube while the mercury below the arch recedes into the bulb, upon exposure to a lower temperature.



On noting the registration, the physician or the nurse, holding the thermometer by the top, shakes it downward, which forces the mercury in the stem back over the arch and into the bulb, and the instrument is again ready for registering.

Glass contracts with age. While the contraction is infinitesimal, yet the relation of the capacity of the bore to that of the bulb being about 1000 to 1, the minute change which takes place in the molecular construction of the glass lessens the capacity of the bulb to such an extent that it would cause the mercury in the stem to rise from one to two

The Making of Clinical Thermometers—Continued

degrees, varying with the size of the bulb and the thickness of the glass of which it is formed.

In ordinary glass, the molecular change is apt to cover a period of two years, although 80 per cent. of it occurs in the first year of the seasoning. It is necessary therefore, in order to produce permanently accurate thermometers, that the glass be properly matured, or seasoned; that all shrinkage may take place before the scale is graduated on the tube. An unseasoned, or "green," tube might prove to be absolutely accurate when engraved, and in a year show an error of one to two degrees, in comparison with a "standard" thermometer, by reason of bulb contraction. This necessitates carrying in our seasoning vaults a two-years' supply of unengraved thermometers.

As new goods leave the glass-room, after passing all examinations for defects, they are boxed, sealed and dated, and placed in the seasoning vaults for two years before pointing and engraving the graduations thereon.

To determine the proper location of the scale upon the stem of a Clinical Thermometer, also the exact range of scale, the tube is immersed in the testing bath, the water in which is kept in constant motion, mechanically. Into this is inserted a "standard" thermometer of absolute accuracy, graduated in spaces of one-twentieth of a degree. The test starts at 95°. The water, kept constantly in motion, is heated until the "standard" thermometer shows exactly 95°; the tubes in the bath, being exposed to the same conditions of temperature, are then marked upon their stems with a delicate line at the top of the mercury column. The same process is pursued in arriving at the other test points. Any capillary error existing in the tube becomes apparent at once after marking the test points, since should a bore be larger in one section than in another, they will not be equidistant, and the tube is at once rejected.

The complete scale is graduated between the test points obtained as above described. The tubes are then dipped and receive a very thin coating of wax. The dividing machine is adjustable to the test points of each tube. The former explanation of the methods covering the examining of the bore and the forming of the bulb will explain the impossibility of producing tubes all of an exact range and length of scale. They may vary an eighth or a quarter of an inch. This necessitates the adjustment of the graduating machine to produce a finer or coarser scale, as may be necessary on each individual tube.

The scale having been graduated, the numbering of the degrees is next in order. By means of an engraving machine, on the pantograph principle, the operator follows upon an engraved plate the outline of the figures to be formed on the tube, while the thermometer attached to the machine above this plate has engraved upon its surface, through the wax coating, a reduced fac-simile of the plate below.

Through the processes of graduating, marking the figures upon the scale and numbering each tube

The Making of Clinical Thermometers—Continued

in rotation (the latter is necessary, because each certificate refers by number to the thermometer certified), the coating of wax remains on the tube. It is now ready for the etching bath.

Hydrofluoric acid applied to the stem etches the glass to such a depth where the wax has been cut away in graduating and numbering, that when the tube is cleansed of wax the lines and figures are of a depth sufficient to hold the indelible filling, which renders them legible. This completes the manufacture of a Clinical Thermometer.

In spite of the skill which has been brought to bear in the various processes, there is always a possibility of error which, if it occurs, is provided for in the certification. The finished tubes are again put through the same series of tests as originally used in determining the test points, but an additional test is made at 110°. Any instrumental error is at once detected. The certificate bearing the instrument number, and any other marks peculiar to that individual thermometer, is issued, and any error, if found, is noted thereon in tenths of a degree.

Our Stock of Tubes

From our first start in the manufacture of Clinical Thermometers we have planned to carry a sufficiently large stock of tubes to guarantee to our customers thermometers which have been seasoned thoroughly before being tested and graduated, and today our stock of tubes, some of them several years old, amounts to over 150,000.

Bunch of 72 Tubes, as Stored in the Vault for Seasoning

Grading

Tycos Fever Thermometers are the selection for all points of excellence from our immense output of tubes. It is impossible in the manufacture of Clinical Thermometers to have the contraction (which makes the instrument self-registering) so uniform that all will respond with the same ease, in throwing the column back after use. It is also easily understood that some tubes must be of better appearance than others in the relation of size of bulb to size of stem; perfection of magnifier in lens-front tubes; open, easy-reading scale and also when undergoing the final test as giving a more or less perfect certificate.

The *Tycos*, or First Grade

Considering all these points of construction, namely—open range of scale, perfect proportion in size of tube and bulb, perfection of magnifier in lens tubes,

The Making of Clinical Thermometers—Continued

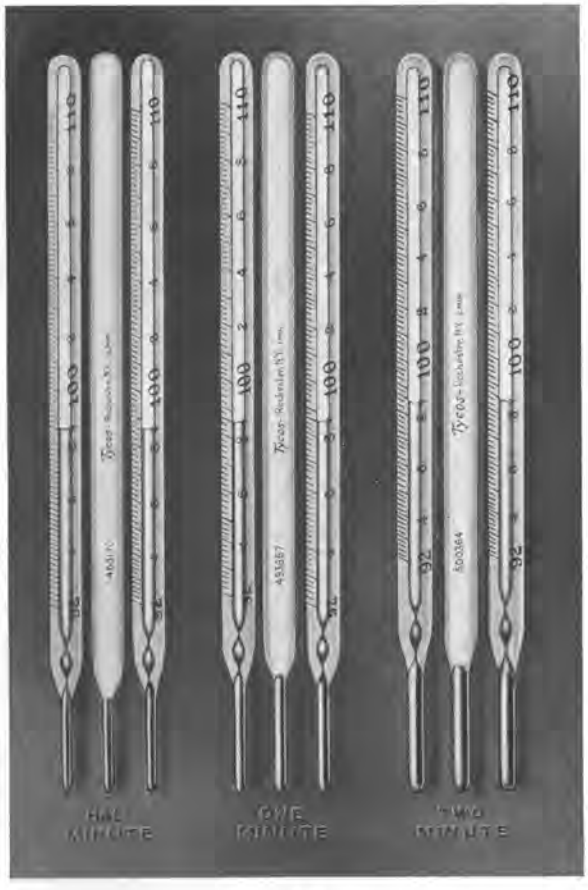
greatest ease consistent with safety in throwing back of the column after use, and perfection of certificate—the thermometers are sorted into three grades, the first being certified on yellow certificates under the brand "*Tycos*".

Second- and Third-Grade Clinical Thermometers

These are all seasoned tubes, and for all practical purposes are good instruments. After the selection of first grade is made as above explained, the next, and not so perfect in these details, are certified as second grade, consisting mainly of shorter ranges, under the name *Taylor*-"*68*" on white certificates, and the balance under the name *Taylor*-"*69*" as third grade, on green certificates.

The *Tycos* Fever Thermometer stands pre-eminently at the head of all Clinical Thermometers. Our one aim in making the *Tycos* is to produce as perfect an instrument as a most complete equipment, large capital, and an experience of nearly seventy years' thermometer making enable us to manufacture.

The retail prices of *Tycos* Fever Thermometers are fixed, so as to be absolutely fair to the public and dealer, and are as follows:



(Actual Size)

Retail Price of *Tycos* Fever Thermometers in *Tycos* Safety Cases

	EACH
Tycos Two-minute	$1.75
Tycos One-minute	2.00
Tycos One-half minute	2.25

Retail Price of *Tycos* Fever Thermometers in Hard-Rubber, Screw-Nickel, or Nickel-Chain Cases

	EACH
Tycos Two-minute	$1.50
Tycos One-minute	1.75
Tycos One-half minute	2.00

Quick-Acting Thermometers

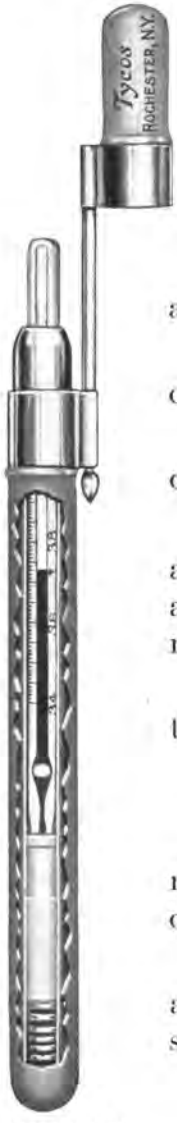
Quick-Acting Thermometers are shown in the illustration by the comparative small size of their bulbs. They are the ones in which the bore of the glass is so small as to require the least possible amount of mercury in the bulb, rendering them more sensitive and causing them to act more quickly.

One point in reference to Quick-Acting Thermometers should be understood, viz., on account of the very small bulb and bore, the column is of necessity more difficult to shake down.

The *Tycos* Safety Case

Patented April 25, 1911, December 28, 1915.

For years there has been a demand for a really satisfactory Fever Thermometer Case. After much experimenting we have devised a case which does away with the many objections to those previously used. In the *Tycos* Safety Fever Thermometer Case we feel that we have reached perfection.



(Actual size)
Tycos Safety Case in section, with top open showing Thermometer

Advantages

The advantages of the *Tycos* Safety Fever Thermometer Case are manifold;

1st. An inside fitting relieves the thermometer from all shock and is most sanitary, avoiding the necessity of placing cotton around the bulb for protection.

2nd. This fitting, while the thermometer is easily slipped in the case, holds it firmly enough to prevent it from falling out.

3rd. The clip attachment to the case, which holds it firmly to the pocket.

4th. The clip attachment is so arranged that the cap always remains attached to the case and so cannot be misplaced.

5th. If the case is laid on a table, the fitting is such that it cannot roll.

(Actual size)
Showing *Tycos* Safety Case attached to Pocket

Description

The *Tycos* Safety Fever Thermometer Case is of metal, covered with white celluloid, and has nickeled trimmings.

Special *Tycos* Safety Cases for nurses, and sterling-silver safety cases can also be supplied (*page 23.*)

Sales Plan

The *Tycos* Safety Fever Thermometer Case will be supplied only with *Tycos* Fever Thermometers. It cannot be supplied with any other brand of thermometer, and "cases only" will not be sold.

Price List in pocket on inside of front cover.

Tycos Fever Thermometer

(First Grade)

(*Page 12 for further description*)

"Tycos"
FEVER THERMOMETER
CERTIFICATE
ONE MINUTE REGISTRATION
This Certifies
That Thermometer marked "Tycos" No.
has been compared with our standard instruments at this date. The following corrections applied to the readings indicate the correct temperature within 1/10 of a degree.

THERMOMETER READING	CORRECTION
95°	0°
100°	0°
105°	0°
110°	0°

NOTE — WHEN THE CORRECTION IS + IT MUST BE ADDED TO THE OBSERVED READING, AND WHEN — SUBTRACTED.
Taylor Instrument Companies
Rochester, N.Y. 19

Facsimile of *Tycos* Fever Thermometer Certificate

		CODE WORD		
		2-MIN.	1-MIN.	½-MIN.
No. 5000	*Tycos* 4-inch Fever Thermometer . . . . . In *Tycos* safety case (*page 14*). Magnifying, 2-minute, 1-minute or ½-minute registering tubes. Packed each in folding box; 6 in carton.	**Acued**	**Acufs**	**Acuik**
No. 5002	*Tycos* 4-inch Fever Thermometer . . . . . Same as No. 5000, except in hard-rubber case (*page 21*).	**Acujo**	**Acukt**	**Adwel**

(*Page 19 for mouth and rectal thermometers in combination case.*)
(*Page 23 for illustration and description of nurse's special safety case.*)
(*Pages 21, 22 and 23 for particulars and prices of fancy cases.*)

Tycos Fever Thermometer Display Case

(About one-half actual size)

With a three-dozen order for *Tycos* Fever Thermometers we will send one of these handsome counter display cases. It measures 9 inches wide, 8½ inches high and 4 inches deep at the top, the front sloping down to 1½ inches deep at the bottom. Finished outside in mahogany and lined with dark-green plush, it is an ornament to any counter or show case. Inside compartments are designed to show one each *Tycos* Mouth and Rectal Fever Thermometer in *Tycos* Combination Pocket Case; *Tycos* Rectal Thermometer in *Tycos* Green Safety Pocket Case; *Tycos* Rectal Thermometer in hard-rubber case; *Tycos* 1-minute Fever Thermometer in *Tycos* pocket case; *Tycos* 2-minute Fever Thermometer and hard-rubber case; *Tycos* one-minute Fever Thermometer and twist nickel case with chain.

	CODE WORD
Tycos Fever Thermometer Display Case	**Acuof**

Price List in pocket on inside of front cover.

Clinical Thermometers—Continued

Taylor-"68" Clinical Thermometers

(Second Grade)

(*Page 13 for further description*)

The *Taylor*-"68" Package (Actual size)

		CODE WORD		
		2-MIN.	1-MIN.	½-MIN.
No. 5004	***Taylor*-"68" 4-inch Clinical Thermometer**	**Acupi**	**Acurp**	**Acuta**

Second grade, white certificate, in hard-rubber case, magnifying 2-minute, 1-minute or ½-minute tubes. Packed each in a box, six in a carton.

NOTE—Each half dozen ***Taylor*-"68"** Clinical Thermometers, will, if specified, be put up in the attractive display package shown above; either in half-minute, one-minute or two-minute (we cannot assort them in the same package)..... CODE WORD **Acuyz**

(*Pages 21, 22 and 23 for fancy cases*).

Price List in pocket on inside of front cover.

Clinical Thermometers—Continued

Taylor-"69" Clinical Thermometers

(Third Grade)

(*Page 13 for further description*)

The *Taylor*-"69" Package. (Actual size)

		CODE WORD 2-MIN.	1-MIN.	½-MIN.
No. 5006A	***Taylor*-"69"** 4-inch Clinical Thermometers . . . . . Third grade, green certificate, in slip nickel case. Magnifying 2-minute, 1-minute or ½-minute tubes. Packed each in a box, six in a carton.	**Acvak**	**Acvid**	**Acvor**

NOTE—Each ½ dozen ***Taylor*-"69"** Clinical Thermometers will, if specified, be put up in the attractive display package shown above, either in half-minute, one-minute or two-minute (we cannot assort them in the same package). . . . . CODE WORD **Acvuz**

(*Pages 21, 22 and 23 for fancy cases*).

Price List in pocket on inside of front cover.

Tycos Mouth and Rectal Fever Thermometers in Combination Case

No. 5015
(Actual size)

This ideal combination of Mouth and Rectal Fever Thermometers, in *Tycos* Safety Pocket Carrying Case, has met with the universal approval of the medical profession.

The Rectal Thermometer is made with a green back and pear-shaped bulb, the latter coming in direct contact with the tissues, the temperature thus being correctly taken without any danger of perforation of inflamed, tender tissues, as is the case when the ordinary cylindrical bulb is used.

Both Mouth and Rectal Thermometers are absolutely clear at all points, and are as perfect as human skill can produce.

		CODE WORD 1 MIN.
No. 5015	*Tycos* Mouth and Rectal Fever Thermometers in Combination Case. . . . . Packed each in a box, six in a carton.	**Acume**

Rectal Thermometers

Green-enamel back, to distinguish the thermometer as intended for rectal use.

	Tycos (First Grade)	CODE WORD 2-MIN.	CODE WORD 1-MIN.
No. 5022	*Tycos* 4-inch Rectal Thermometer . . . . . First grade, yellow certificate, magnifying tube, in green *Tycos* safety case; packed each in a box, six in a carton.	**Acwal**	**Agdal**
No. 5024	*Tycos* 4-inch Rectal Thermometer . . . . . Same as No. 5022, except in hard-rubber case.	**Acwer**	**Agder**
	***Taylor*-"68" (Second Grade)**		
No. 5028	***Taylor*-"68"** 4-inch Rectal Thermometer Second grade, white certificate, magnifying tube in hard-rubber case; packed each in a box, six in a carton.	**Acwis**	**Agdfo**

Centigrade Scale Clinical Thermometers

(Designate by symbol C)

Any grade Clinical Thermometer will be made to order with Centigrade scale in lots of one dozen or more, if so specified, at same price as Fahrenheit scale. For less than one dozen see price list for additional cost. CODE WORD **Acwop**

Fahrenheit and Centigrade, or Fahrenheit and Reaumur Scale, Clinical Thermometers

(Designate by symbol "F & C" or "F & R.")

Any grade Clinical Thermometer will be made to order with Fahrenheit and Centigrade or Fahrenheit and Reaumur scales in lots of one dozen or more, if specified. See price list for additional cost.

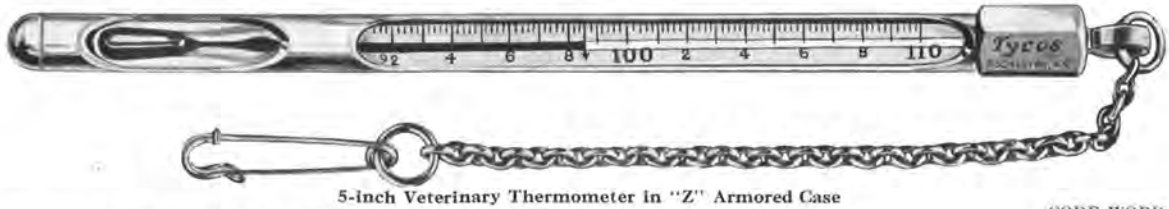
CODE WORD
F. & C. **Acwun**
F. & R. **Acwya**

Price List in pocket on inside of front cover.

Veterinary Thermometers

		CODE WORD		
		In 5-inch armored-nickel case with chain and pin	In 5-inch hard-rubber case	In 5-inch twist-aluminum case with chain and pin
	***Tycos*-Quality (First Grade)**			
No. 5040	*Tycos* 5-inch Veterinary Thermometer. . . . . Yellow certificate, magnifying tube.	**Aczag**	**Acxod**	**Acyms**
	***Taylor*-"68" (Second Grade)**			
No. 5042	*Taylor* 5-inch Veterinary Thermometer. . . . . White certificate, magnifying tube.	**Aczim**	**Acxuf**	**Aczok**
	***Taylor*-"69" (Third Grade)**			
No. 5044	*Taylor* 5-inch Veterinary Thermometer. . . . . Green certificate, magnifying tube.	**Aczub**	**Acylk**	**Aczyf**

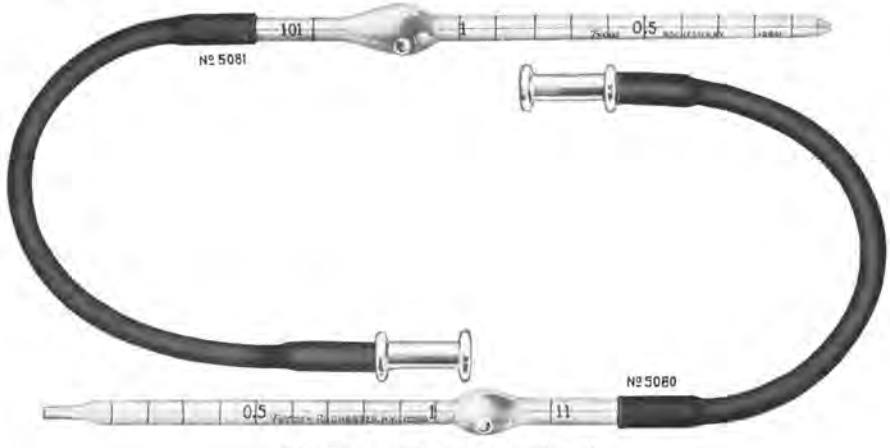
(Actual size)—Showing pear-shaped bulb and ring top for attaching chain or string to Veterinary Thermometer. More sanitary than armored case.



5-inch Veterinary Thermometer in "Z" Armored Case

If "Z" Cases only, without thermometers, are wanted, so specify. . . . . CODE WORD **Acyrt**

Tycos Haemacytometer Pipettes



(About three-fourths actual size)

These Pipettes are of the highest quality and accuracy and come neatly packed in individual boxes.

		CODE WORD
No. 5080	*Tycos* Mixing Pipette for white blood corpuscles. . . . . For dilution in the ratio 1:10 and 1:20, with rubber tubing and glass mouthpiece.	**Acxar**
No. 5081	*Tycos* Mixing Pipette for red blood corpuscles. . . . . For dilution in the ratio 1:100 and 1:200, with rubber tubing and glass mouthpiece.	**Acxiz**

Price List in pocket on inside of front cover.

Pocket Cases for 4-inch Clinical Thermometers

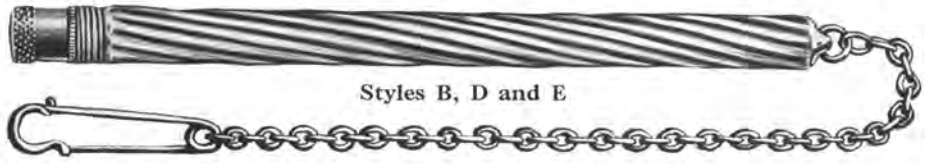
Style A

CODE WORD

Style A Slip Nickel Case for 4-inch Clinical Thermometer. . . . . **Adabt**

Style H R

Style H R Hard-rubber cases, for Nos. 5002 and 5004, 4-inch Clinical Thermometers. . . . . **Adach**



Styles B, D and E

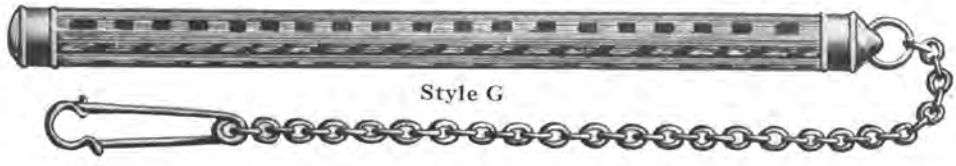
Style B Twist Gilt Case with chain and pin, for 4-inch Clinical Thermometer . . . . . **Adady**

Style D Twist Nickel Case with chain and pin, for 4-inch Clinical Thermometer . . . . . **Adaev**

Style E Twist Aluminum Case with chain and pin, for 4-inch Clinical Thermometer. . . . . **Adags**

Style F

Style F Twist Silver-Plated Case with chain and pin, for 4-inch Clinical Thermometer. . . . . **Adahn**



Style G

Style G Machine Cut Gilt Case with chain and pin, for 4-inch Clinical Thermometer. . . . . **Adaib**

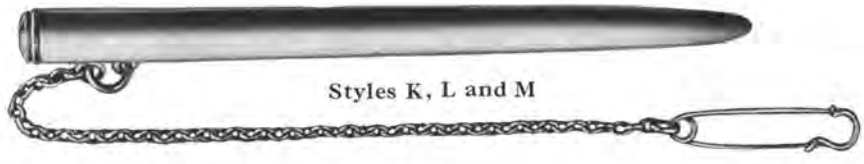
Pocket Cases for 4-inch Clinical Thermometers—Continued

Style H

		CODE WORD
Style H	Black-Enamel and Gilt Case with chain and pin for 4-inch Clinical Thermometer	**Adako**

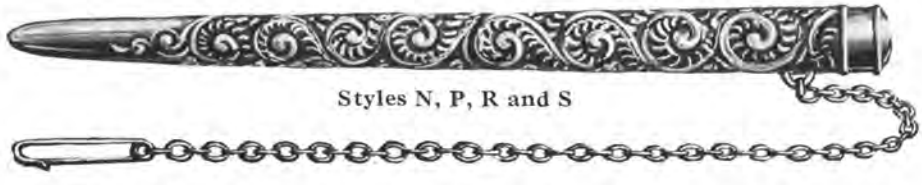
Style J

Style J	Sterling Silver and Black-Enamel Case with chain and pin for 4-inch Clinical Thermometer	**Adalf**



Styles K, L and M

Style K	Sterling Silver (plain) Case with chain and pin for 4-inch Clinical Thermometer	**Adami**
Style L	10-Karat Gold (plain) Case with chain and pin for 4-inch Clinical Thermometer	**Adanz**
Style M	14-Karat Gold (plain) Case with chain and pin for 4-inch Clinical Thermometer	**Adaoc**



Styles N, P, R and S

Style N	Sterling Silver (chased) Case with chain and pin for 4-inch Clinical Thermometer	**Adard**
Style P	Rolled Gold (plated and chased) Case with chain and pin for 4-inch Clinical Thermometer	**Adase**
Style R	10-Karat Gold (chased) Case with chain and pin for 4-inch Clinical Thermometer	**Adaup**
Style S	14-Karat Gold (chased) Case with chain and pin for 4-inch Clinical Thermometer	**Adavu**

Price List in pocket on inside of front cover.

Pocket Cases for 4-inch Clinical Thermometers—Continued

Style Q

Style Q *Tycos* Nurse's Special Safety Pocket Case for 4-inch *Tycos* Fever Thermometer. Metal, covered with white celluloid, nickel trimmings, designed to fasten with chain and pin, or with clip to pocket. Furnished in place of Regular *Tycos* Safety Case when specified ..... **Adaxa**

CODE WORD

Style T

Style T Pearl Case, Rolled-Gold Plated Ends, for 4-inch Clinical Thermometer ..... **Adayk**

Style V

Style V Extra Fine Sterling Silver Case, handsomely chased, for 4-inch Clinical Thermometer ..... **Adboy**

Style X

Style X *Tycos* Sterling Silver (plain) Safety Pocket Case for 4-inch *Tycos* Fever Thermometer ..... **Adcak**

Style Y

Style Y *Tycos* Sterling Silver (chased) Safety Pocket Case for 4-inch *Tycos* Fever Thermometer ..... **Adcid**

Tycos Self-Verifying Sphygmomanometer

No. 5090
(Actual size)

The *Tycos* Self-Verifying Sphygmomanometer is the simplest and the most easily and quickly adjusted for observation.

The arm sleeve, which contains the rubber bag for producing pressure upon the arm, is made of strong and inelastic, but soft, flexible cloth. It is applied by placing the rubber bag directly over the inside of the left arm, wrapping the sleeve like a bandage around the arm and tucking the end under the preceding fold. The pressure produced by the inflating bulb catches the end of the sleeve, holding it tight while the observation is being taken. No straps or buckles are necessary.

Method of Auscultation

Method of Palpation

The rubber bag (9½ by 5 inches) in the sleeve bandage is connected with the manometer and with the inflating bulb, by two small rubber tubes. A small hook, attached to the margin of the bandage, sustains the manometer while the observation is being taken. The *Tycos* manometer measures pressure between 0 and 300 millimeters.

Price List in pocket on inside of front cover.

Tycos Sphygmomanometer—Continued

The *Tycos* Self-Verifying Sphygmomanometer bears practically the same relation to the more fragile and cumbersome mercurial column instrument as does the aneroid to the mercurial barometer. There is no mercury to spill, no glass tubing to break, no buckles or straps to cause delay and startle the patient. The instrument may be applied and removed almost instantly.

In the construction of the diaphragms great care has been given to the selection of metals of the proper tensile strength, and free from influences of oxidation; the apparatus therefore can be relied upon absolutely for the fine determination of systolic, diastolic and pulse pressure and is conveniently carried in the pocket. It should become a part of every practicing physician's equipment.

The *Tycos* Self-Verifying Sphygmomanometer is the best type of instrument for determining both Systolic (maximal), Diastolic (minimal) and Pulse pressure. A mercurial manometer is incapable of this service.

The trade name *Tycos* is to be found on the dial of every genuine instrument.

CODE WORD

No. 5090 *Tycos* Self-Verifying Sphygmomanometer..... **Adcla**

Manometer, arm sleeve, inflating bulb with control valve, etc., contained in handsome morocco carrying case, 5½ inches by 3½ inches by 2¼ inches in size.

Price List of Parts

Manometer only	**Adcor**
Arm sleeve, complete with inflating bulb and control valve	**Adcre**
Rubber bag only	**Adcuz**
Inflating bulb and valve	**Addey**
Valve only	**Addgu**
Bulb only	**Addyt**
Morocco case only	**Adeab**

Tycos Fever Chart

While this chart was designed many years ago, nothing more simple and convenient has been found to take its place.

CODE WORD

	Per 100	Per 1000
No. 5097 *Tycos* Fever Charts.....	**Adeds**	**Agdji**

Sold in bulk by the hundred or thousand.

No. 5098
(About one-third actual size)

"Blood Pressure Simplified"

CODE WORD

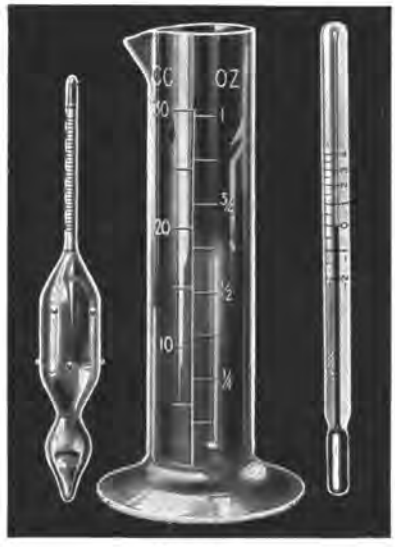
No. 5098 Blood Pressure Simplified..... **Adeen**

Cloth binding, 101 pages illustrated.

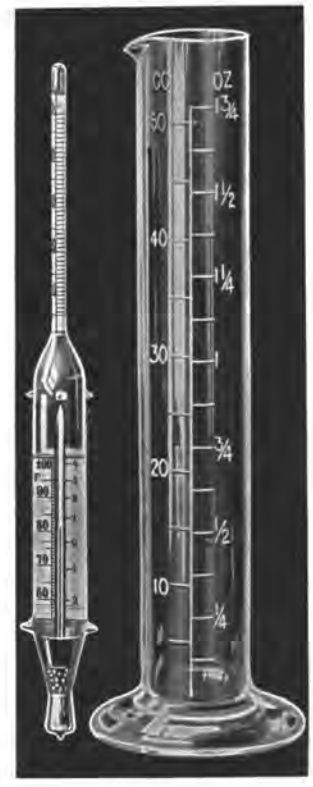
Chapters on:

The Physiology of Arterial Tension.
Hyper-tension.
Hypo-tension.
Diseases in which Pressure is not Definitely Known.
Therapeutics of Abnormal Blood Pressure.
Blood Pressure in Life Insurance and a Consideration of the Tests for Cardiac Efficiency.
Blood Pressure in Opthalmology.
Blood Pressure in Obstetrics and Surgery.
Heart Irregularities.
Types of Sphygmomanometers.

Urinary Analysis Instruments



No. 7502T
(About one-half actual size)



No. 7504
(About one-half actual size)

Tycos-Quality

Each bearing *Tycos*, our Registered Trade Mark.

CODE WORD

M No. 7502 *Tycos* Urinometer..... **Adefu**

Small size, for testing 1 fl. oz. samples, Specific Gravity Scale 1.005 to 1.035 in .001 graduations, with spines on body to prevent clinging to inside of jar. With foot and pour-out test jar, graduated in 1 oz. and 30 c. c. Hand-written scales; standard temperature, 77° F., with certificate.

M No. 7502T *Tycos* Urinometer..... **Adegt**

Same as No. 7502, except with separate engraved thermometer showing temperature corrections for urine.

M No. 7504 *Tycos* Urinometer..... **Adeix**

Specific Gravity Scale 1.000 to 1.045 in .001 graduations. Combined with thermometer and with temperature correction scale for variation from body temperature of urine. Spines on body to prevent clinging to inside of jar. With foot-and-pour-out test jar, graduated in 2 oz. and 50 c. c. Hand-written scales; standard temperature, 77° F., with certificate.

(*Page 30 for jars only for urinometers*).

Urinary Analysis Instruments—Continued

No. 7510
(About three-fifths actual size)

No. 7516
(About three-fifths actual size)

Taylor-Quality (Medium Grade)

Each bearing the name *Taylor* on the scale.

CODE WORD

M No. 7510 *Taylor* Urinometer..... **Adeky**
Flat stem, Specific Gravity Scale 1.000 to 1.045 in .001 graduations. Including 2 oz. graduated test-jar without foot.

M No. 7516 *Taylor* Urinometer..... **Adelz**
Squibb's pattern, Specific Gravity Scale 1.000 to 1.045 in .001 graduations. Including fluted test-jar.

M No. 7520 *Taylor* Urinometer..... **Ademd**
Specific Gravity Scale 1.000 to 1.045 in .001 graduations. Round stem. Including plain test-jar. Packed in wood case.

Ordinary Grade—Printed Scale

S No. 7528 *Taylor* Urinometer..... **Adenk**
Specific Gravity Scale 1.000 to 1.045 in .001 graduations. Including plain test-jar. Packed in wood case.

(*Page 30 for jars only for urinometers*).

Price List in pocket on inside of front cover.

Urinary Analysis Instruments—Continued

No. 7540
About one-half actual size)

CODE WORD

No. 7540 *Tycos*-Quality Doremus Ureometer, Hind's modification . . . . . **Adeoj**

This new design permits rapid filling and cleaning. The bulb of the usual form has been replaced by a long filling-arm, built at such an angle that when filled and inclined until the long arm is horizontal, the fluid readily flows into and completely fills same without manipulation to displace the air or to avoid spilling. Accurately graduated to read to .03 gram in .001 gram of urea to the cubic centimeter of urine. The small urine-arm is graduated in $\frac{1}{10}$ c. c. to 2 c. c. With *Tycos* Universal Sanitary Base.

No. 7542 *Tycos*-Quality Doremus' Ureometer . . . . . **Aderg**

Graduated .03 gram in .001 gram. With *Tycos* Universal Sanitary Base and pipette.

No. 7542A *Tycos*-Quality Doremus' Ureometer . . . . . **Adesm**

Same as No. 7542, except without base.

No. 7544 *Tycos*-Quality Pipettes . . . . . **Adeth**

1. c. c. pipettes only for Nos. 7542 and 7542A, with improved rubber bulb.

Urinary Analysis Instruments—Continued

No. 7548
(About two-thirds actual size)

No. 7553
(About one-half actual size)

CODE WORD

No. 7548 *Tycos*-Einhorn's Fermentation Saccharometer . . . . . **Adeuc**

Improved design in which the new filling-arm permits greater convenience and rapidity in use. Put up in a set consisting of two Saccharometers and one test tube graduated to 10 c. c. Saccharometers accurately graduated to indicate $\frac{1}{10}\%$ of sugar with range to 1%. With *Tycos* Universal Sanitary Base.

No. 7548A Test tubes only for No. 7548. . . . . **Adeva**

No. 7550B *Tycos* Esbach's Albuminometer . . . . . **Adewo**

Thin glass, ordinary form, without base.

No. 7553 *Tycos* Standard Albuminometer. . . . . **Adexe**

For use with either Esbach's or Pfeiffer's quantitative method. With *Tycos* Universal Sanitary Base.

Urinary Analysis Instruments—Continued

No. 7556
(About one-half actual size)

No. 7558
(About one-half actual size)

		CODE WORD
No. 7556	*Tycos* Urin-Acidimeter. Graduated to read directly in percentage of acidity ($Na_{10}OH$) as follows: 5 c. c. and 10 c. c., from 10 c. c. upwards at intervals of 2% to 100% for NaOH solution. White strip on back to give high accuracy in reading. With *Tycos* Universal Sanitary Base.	**Adezi**
No. 7558	*Tycos* Indicanometer. With strip of white glass to serve as background, for greater accuracy in determining, by the color, the degree of indicanuria. Accurately graduated for use with Obermayer's Reagent. With *Tycos* Universal Sanitary Base.	**Adfes**
No. 7552	*Tycos* Urinary Analysis Booklet. New Edition. Describing fully the use of Urinometers, Ureometers, Saccharometers, Albuminometers, Acidimeters and Indicanometers.	**Adgar**

Test Jars Only for Urinometers

No. 7530	Test Jar, (plain) for Nos. 7520 and 7528	**Adfip**
No. 7530A	Test Jar, for No. 7510. Graduated 2 oz., without foot.	**Adfon**
No. 7530B	Test Jar, (fluted) for No. 7516	**Adfro**
No. 7530D	Test Jar, for No. 7504. Graduated 2 oz. and 50 c. c., with foot and pour-out.	**Adfut**
No. 7530E	Test Jar, for No. 7502. Graduated 1 oz. and 30 c. c., with foot and pour-out.	**Adfyc**

Price List in pocket on inside of front cover.

HOUSEHOLD THERMOMETER PART

Cabinet, Window, Radial-Scale, Desk, Japanned-Tin and Copper Cased, Self-Registering, Bath, Sterilizing, Pocket and Traveling, Decorative Art and Show Thermometers; Storm Glasses and Hygrometers

REG'D. TRADE MARK
Tycos
ROCHESTER N.Y.

Taylor Instrument Companies

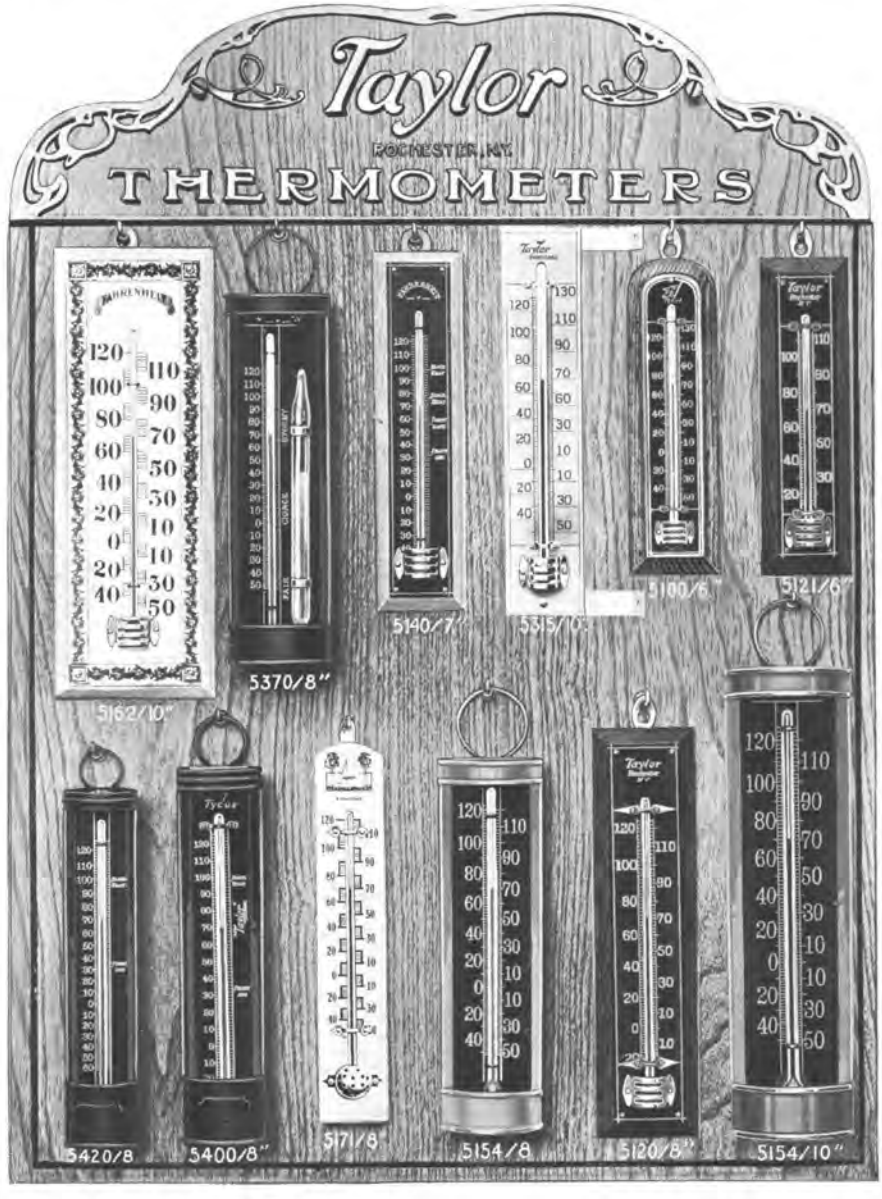
Rochester, N. Y., U. S. A.

"Where *Tycos* Thermometers Come From"

Assortment Packages

Assortment No. 0

Let this Display Help You Sell More Thermometers



(About one-fourth actual size)

Thermometers are Steady Sellers

Rarely changing in style, but you can't expect the public to ask for what is tucked away in drawers

Price List in pocket on inside of front cover.

Assortment Packages—Continued

Assortment No. 0

(Code Word, **Adgiz**)

DOZEN			RETAIL VALUE EACH	TOTAL RETAIL VALUE
1/6	**No. 5162S**	10-inch Ordinary Grade Lithograph tin scale, wood back.	$ .50	$1.00
1/4	**No. 5171S**	8-inch Ordinary Grade White enamel, wood scale.	.45	1.35
1/4	**No. 5140S**	7-inch Ordinary Grade Oxidized brass scale.	.60	1.80
1/6	**No. 5420S**	8-inch Selected Ordinary Grade Oxidized brass scale, japanned tin case.	.60	1.20
1/12	**No. 5370S**	Selected Ordinary Grade Storm glass and thermometer, oxidized brass scale, japanned tin case.	.75	.75
1/12	**No. 5154S**	8-inch Selected Ordinary Grade Oxidized brass scale, coppered metal case.	1.00	1.00
1/12	**No. 5154S**	10-inch Selected Ordinary Grade Same as above, except 10″ long.	1.40	1.40
1/6	**No. 5121S**	6-inch Medium Grade Oxidized brass scale, wood back, indoor range.	1.00	2.00
1/12	**No. 5120S**	8-inch Medium Grade Same as above, except 8 inches long and outdoor range.	1.25	1.25
1/12	**No. 5315S**	10-inch *Taylor*-Quality Window Thermometer Made of selected zinc, with adjustable arms.	1.50	1.50
1/12	**No. 5100S**	6-inch *Tycos*-Quality (best grade) Oxidized brass scale, oak back.	1.50	1.50
1/12	**No. 5400S**	8-inch *Tycos*-Quality (best grade) Oxidized brass scale, japanned tin case.	1.25	1.25
		Total Retail Value		$16.00

"S" following Catalog Nos. indicates tubes filled with permacolor

12 Styles, 19 Thermometers, with display card 18 inches by 25 inches, of heavy grained-oak-finish bristol-board.

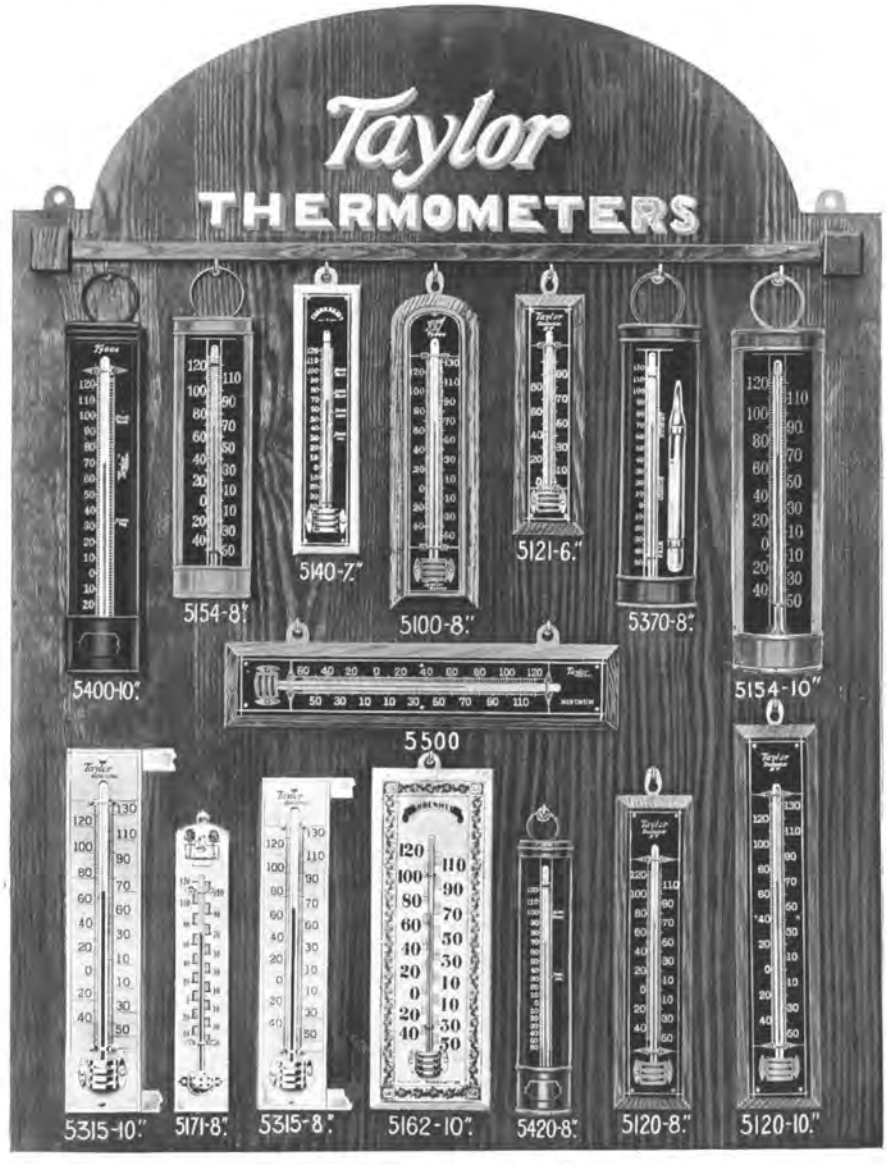
Weight of assortment packed ready for shipment, about 15 pounds.

NOTE—The retail prices suggested apply to points east of the Mississippi river. Dealers in the United States west of the Mississippi and in Canada should advance retail prices to cover duty, or freight, or both, as the case may be.

Assortment Packages—Continued

Assortment No. 1

With it you can meet Thermometer demands and get the business



(About one-fifth actual size)

If you haven't sold many thermometers you will be surprised at the sales made by proper display. This assortment board is good not only for display in the store, but is especially valuable for window work. With every sudden or marked change in temperature, hang the display in your window. It impresses the public that you are Headquarters for Thermometers.

Price List in pocket on inside of front cover.

Assortment Packages—Continued

Assortment No. 1

(Code Word, **Adgno**)

DOZEN			RETAIL VALUE EACH	TOTAL RETAIL VALUE
¼	**No. 5162S**	10-inch Ordinary Grade. Lithograph tin scale, wood back, with metal arms for attaching to window.	$ .50	$1.50
½	**No. 5171S**	8-inch Ordinary Grade. White enamel, wood scale.	.45	2.70
½	**No. 5140S**	7-inch Ordinary Grade. Oxidized-brass scale, wood back.	.60	3.60
¼	**No. 5420S**	8-inch Selected Ordinary Grade. Oxidized-brass scale, japanned tin case.	.60	1.80
¼	**No. 5370S**	8-inch Selected Ordinary Grade. Storm glass and thermometer, oxidized brass scale, japanned-tin case.	.75	2.25
¼	**No. 5154S**	8-inch Selected Ordinary Grade. Oxidized-brass scale, coppered-metal case.	1.00	3.00
⅙	**No. 5154S**	10-inch Selected Ordinary Grade. Same as above, except 10 inches long.	1.40	2.80
⅙	**No. 5121S**	6-inch Medium Grade. Oxidized brass scale, wood back, indoor range.	1.00	2.00
¼	**No. 5120S**	8-inch Medium Grade. Same as above, except 8 inches long and outdoor range.	1.25	3.75
1½	**No. 5120S**	10-inch Medium Grade. Same as above, except 10 inches long.	1.50	1.50
⅙	**No. 5315S**	10-inch *Taylor*-Quality Window Thermometer. Made of selected zinc, with adjustable arms.	1.50	3.00
1½	**No. 5500S**	10-inch Medium Grade. Minimum self-registering, oxidized-brass scale, oak back.	2.00	2.00
1½	**No. 5100S**	8-inch *Tycos*-Quality (best grade). Oxidized-brass scale, oak back.	2.00	2.00
1½	**No. 5400S**	10-inch *Tycos*-Quality (best grade). Oxidized-brass scale, japanned-tin case.	1.50	1.50
		Total Retail Value		$33.40

"S" following Catalog Nos. indicates tubes filled with permacolor

14 Styles, 37 Thermometers and a hard-wood display board 24 inches by 32 inches, lettered red and gold, with brass hangers for suspending the board and brass hooks for hanging individual thermometers on the board.

Weight of assortment packed ready for shipment, about 41 pounds.

NOTE—The retail prices suggested apply to points east of the Mississippi river. Dealers in the United States west of the Mississippi and in Canada should advance retail prices to cover duty, or freight, or both, as the case may be.

Assortment Packages—Continued

"American Made" Assortment No. 100

No. 100
(About one-fifth actual size)

CODE WORD

No. 100 Assortment . . . . . **Adgod**

Consists of a neat, easel-back display card holding six No. 5140 ordinary-grade cabinet Thermometers in 7-inch, 8-inch and 10-inch sizes (2 of each) assorted silvered and black-oxidized metal scales, on walnut and birch cabinet-finished wood backs. Magnifying mercury-filled tubes. Size of display card 12½ inches by 12½ inches.

No. 100S Assortment . . . . . **Afleb**

Same as No. 100, except permacolor-filled tubes. (No. 5140S Thermometers).

"*Taylor*-Rochester" Assortment No. 200

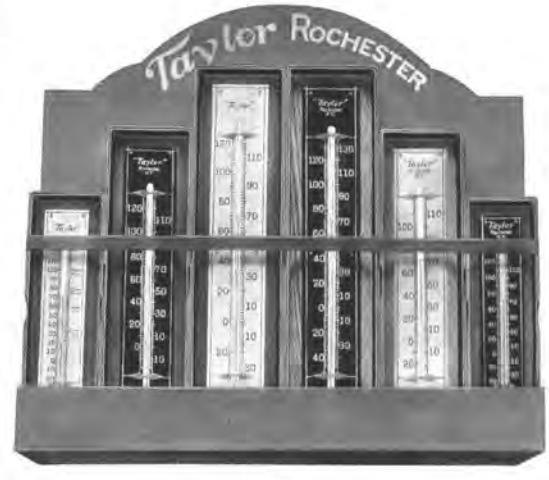
CODE WORD

No. 200 *Taylor* Assortment . . . . **Adguf**

Consists of an easel-back display package, covered with dark green imitation-leather, lettered in gold, containing 1 dozen No. 5120 *Taylor*-Quality (medium grade) Cabinet Thermometers with mercury-filled magnifying tubes. Assorted silvered and black-oxidized metal scales; four 6-inch, four 8-inch and four 10-inch. Size of package, 14½ inches wide by 14 inches high.

No. 200S *Taylor* Assortment . . . . **Akyde**

Same as No. 200, except permacolor-filled tubes. (No. 5120S Thermometers).

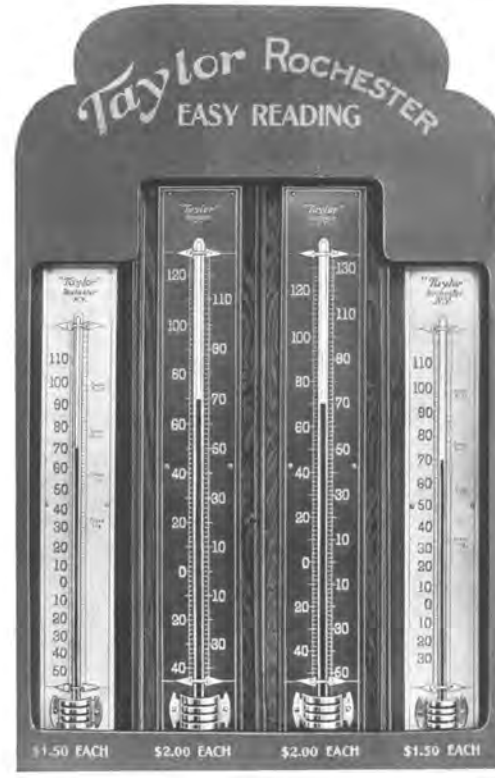


No. 200
(About one-sixth actual size

Price List in pocket on inside of front cover.

Assortment Packages—Continued

"*Taylor*-Rochester" Assortment No. 201



No. 201
(About one-fifth actual size)

CODE WORD

No. 201 *Taylor* Assortment..... **Adhad**

Consists of eight (four 12-inch and four 14-inch) No. 5120 *Taylor*-Quality (medium grade) Cabinet Thermometers, with mercury-filled, magnifying tubes. Assorted silvered and black-oxidized brass scales, in handsome green imitation-leather-covered, easel-back display box. Size of package 11½ inches wide by 18½ inches high.

No. 201S *Taylor* Assortment..... **Adiaj**

Same as No. 201, except permacolor-filled tubes. (No. 5120S Thermometers).

No. 204S
(About one-fourth actual size)

Taylor Health Temperature Thermometer Assortment

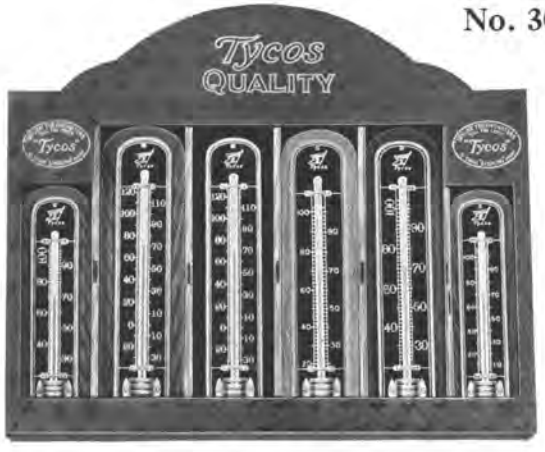
CODE WORD

No. 204S *Taylor* Assortment.... **Adhec**

Consists of four 8-inch and four 10-inch *Taylor*-Quality, No. 5125S Health Temperature Thermometers (eight in all) mounted two of each size on each side of a handsome easel display card. These thermometers are made with natural oak, beveled-edge backs, black-oxidized brass scales with white-filled figures and graduations; polished-brass screws, clasps and bulb-guards, magnifying permacolor-filled tubes. Approximate scale range 20° to 100° F. Size of package 10¼ inches wide by 13 inches high.

Assortment Packages—Continued

"*Tycos*-Quality" Assortment No. 300S



No. 300
(About one-fifth actual size)

CODE WORD

No. 300S *Tycos* Assortment. . . . . **Adhus**

Consists of a handsome red, imitation-leather-covered display box, lettered in gold and embossed, containing ¼ dozen No. 5100S and ¼ dozen No. 5110S *Tycos*-Quality (best grade) Cabinet Thermometers, with black-oxidized brass scales, white-filled figures and graduations, and permacolor-filled, magnifying tubes. Assorted natural and ebonized oak, mahogany and golden oak backs; two 6-inch and four 8-inch. Backs harmonizing with the finest furnished living rooms, parlors, dens and sleeping rooms. Size of package 15 inches wide by 12½ inches high.

"*Tycos*-Quality" Assortment No. 301S

CODE WORD

No. 301S *Tycos* Assortment. . . . . **Adhyx**

Consists of ¼ dozen piano-finish, mahogany back and ¼ dozen oak back, No. 5112S *Tycos*-Quality (best grade) Thermometers, in handsome embossed, purple, imitation-leather-covered display box, lettered in gold, with easel back. These thermometers have gold-plated screws, clasps and bulb-guards, black-oxidized metal scales, silver-deposited graduations and figures, permacolor-filled magnifying tubes. Size of package 7½ inches wide by 11½ inches high.

No. 301
(About one-fourth actual size)

Price List in pocket on inside of front cover.

Assortment Packages—Continued

"*Tycos*-Quality" Assortment No. 302

No. 302
(About one-fourth actual size)

CODE WORD

No. 302 *Tycos* Assortment . . . . . **Adibs**

Consists of ½ dozen No. 5100 *Tycos*-Quality (best grade) Cabinet Thermometers, in handsome red, imitation-leather-covered, easel-back display box, black-oxidized brass scales, white-filled graduations and figures, mercury-filled magnifying tubes. Gold-plated screws, clasps and bulb-guards. Two each white enamel, golden oak and ebony backs; two 10-inch, two 12-inch and two 14-inch. Size of package 9 inches wide by 17½ inches high.

No. 302S *Tycos* Assortment . . . . . **Adick**

Same as No. 302, except permacolor-filled tubes. (No. 5100S Thermometers).

No. 303
(About one-fifth actual size)

"*Tycos*-Quality" Assortment No. 303

CODE WORD

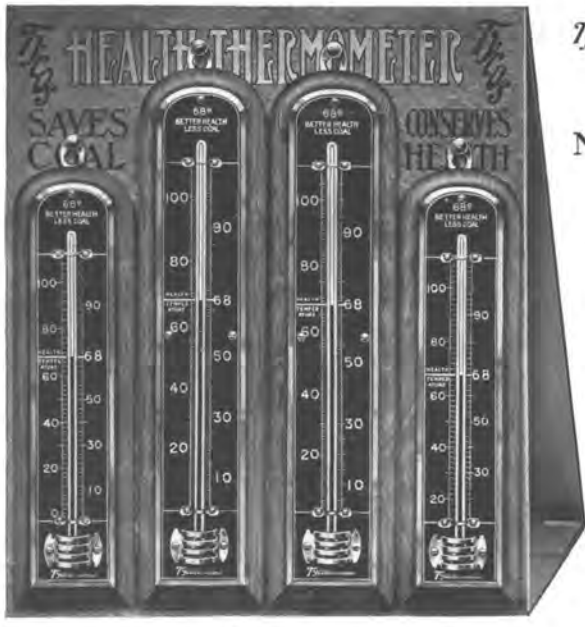
No. 303 *Tycos* Assortment . . . . . **Adidt**

Consists of two 18-inch *Tycos*-Quality (best grade) No. 5100 Cabinet Thermometers, in a handsome red, imitation-leather-covered, easel-back display package. One of the thermometers is finished in golden oak and the other in white enamel. Black-oxidized brass scales, figures and graduations in white, gold-plated screws, clasps and bulb-guards. Mercury-filled, magnifying tubes. Specially suited to hotel, club and all public building use. Size of package 10½ inches wide by 20 inches high.

No. 303S *Tycos* Assortment . . . . . **Adiex**

Same as No. 303, except permacolor-filled tubes. (No. 5100S Thermometers).

Assortment Packages—Continued



No. 304S
(About one-fourth actual size)

Tycos Health Temperature Thermometer Assortment No. 304S

CODE WORD

No. 304S *Tycos* Assortment . . . . **Adihm**

Consists of four 8-inch and four 10-inch *Tycos*-Quality No. 5105S Health Temperature Thermometers (eight in all) mounted two of each size on each side of a handsome easel display card. These thermometers are made with golden-oak backs, heavy beveled-edge, black-oxidized brass scales with white-filled figures and graduations, gold-plated screws, clasps and bulb-guards; magnifying, permacolor-filled tubes. Size of package 10¼ inches wide by 13 inches high.

Taylor Home Set No. 500

CODE WORD

No. 500 *Taylor* Home Set. . . . . **Adiju**

This set is for the use of the house-wife in canning, baking, jelly-making, preserving, etc. It includes one *Taylor* Thermometer No. 5908 (*illustrated and described page 95*); one *Taylor* Oven Thermometer (*illustrated and described page 97*) and one Sugarmeter No. 7261 (*illustrated page 151*). Complete in attractive lithographed box. Size of package 8¾ inches high by 5⅞ inches wide by 1 inch deep.

No. 500
(About one-third actual size)

Price List in pocket on inside of front cover.

Assortment Packages—Continued

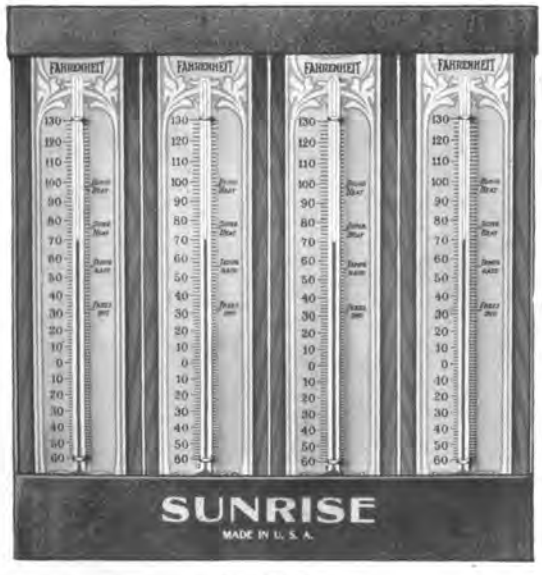
"Comfortmeter" Assortment No. 5151S

No. 5151S "Comfortmeter" Package ..... CODE WORD **Adika**

Consists of a red, imitation-leather-covered, easel-back display box, containing 1 dozen "Comfortmeter" Thermometers, each of which is 8 inches by 2½ inches overall, with easy-reading permacolor-filled magnifying tubes mounted on metal scales which are finished in colors to harmonize with the Flemish, mission and bog-finished wood backs. Nickeled straps and bulb guards. Size of package 10¼ inches by 17½ inches. Approximate scale range of thermometers 20° to 60° F. below zero to 120° above.

No. 5151S
(About one-fifth actual size)

"Sunrise" Assortment No. 5152S



No. 5152S
(About one-third actual size)

No. 5152S "Sunrise" Assortment ..... CODE WORD **Adild**

The individual thermometers are 8 inches long and have a lithographed-tin scale, mounted on green-stained hardwood backs. Magnifying permacolor-filled tubes. Nickeled straps and bulb guards Each dozen packed in maroon-colored, imitation-leather covered display box, for counter use. Scale range approximately 20° to 60° F. below zero to 120° above. Size of package 8¾ inches wide by 8 inches high.

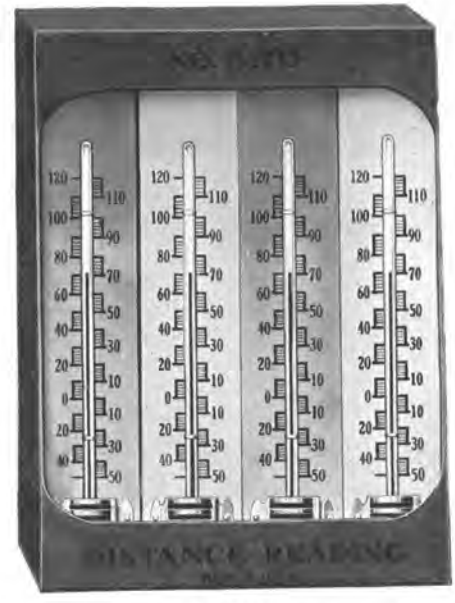
Assortment Packages—Continued

Distance-Reading Thermometer Assortment No. 5170S

CODE WORD

No. 5170S Assortment..... **Adimp**

Consists of one dozen assorted green, white, yellow and blue enameled-wood-back thermometers, 8 inches long. Distance-reading scales stamped in the wood. Magnifying permacolor-filled tubes. Nickeled straps and bulb-guards. Scale range approximately 20° to 60° F. below zero to 120° above. Each dozen packed in neat display package as illustrated. Size of package 6¼ inches wide by 8½ inches high.



No. 5170S
(About one-third actual size)

No. 5378S
(About one-fourth actual size)

Storm Glass and Thermometer Assortment No. 5378S

CODE WORD

No. 5378S Assortment..... **Adiow**

Black scales with white-filled figures and graduations. Marked at side of Storm Glass "Fair," "Change" and "Stormy." Magnifying permacolor-filled tubes. Assorted finishes: four brown, four green and four mission. Approximate thermometer scale range 20° to 60° F. below zero to 120° above. Packed one dozen in a box, six on a display card and the remaining six packed in collapsible boxes. Size of package 11¾ inches wide by 10 inches high.

"Temp-Rite" Desk Thermometer Assortment No. 5356S

CODE WORD

No. 5356S Assortment..... **Ading**

These thermometers are designed for use on mantel, table, desk or dresser, and stand 5½ inches high. The permacolor-filled, magnifying tubes and black scales with white-filled figures and graduations are mounted on wood backs of Flemish, mission and bog-finished oak. Nickeled straps and bulb-guards. Approximate scale range 20° to 60° F. below zero to 120° above. Packed in attractive display package as illustrated, six thermometers (two of each finish) facing each way in the package. Size of package 10½ inches long by 5¾ inches high; 4⅜ inches deep at base.

No. 5356S
(About one-fourth actual size)

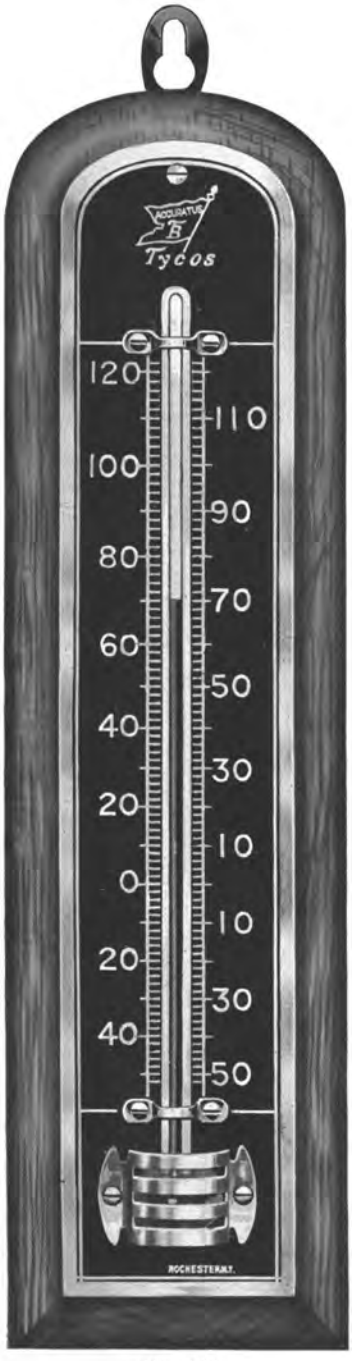
Price List in pocket on inside of front cover.

Cabinet Thermometers

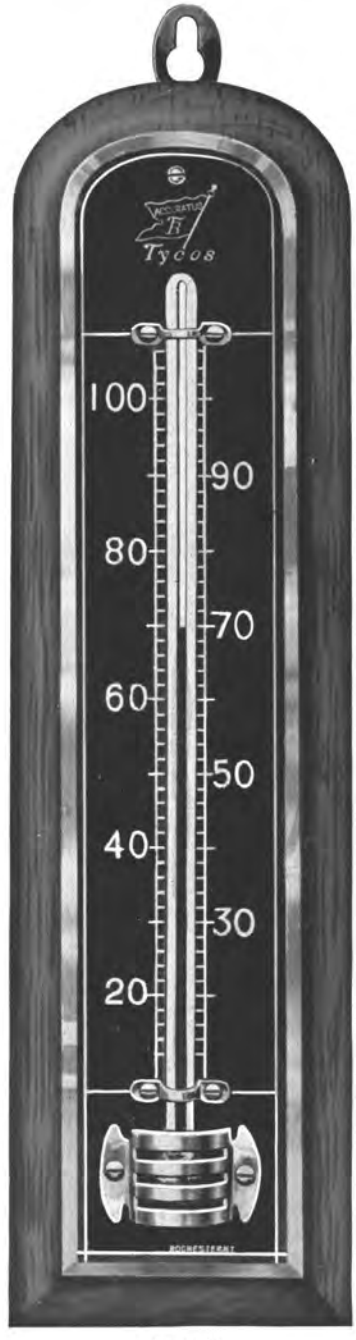
Tycos - Quality (Best Grade)

Three of Our Leaders

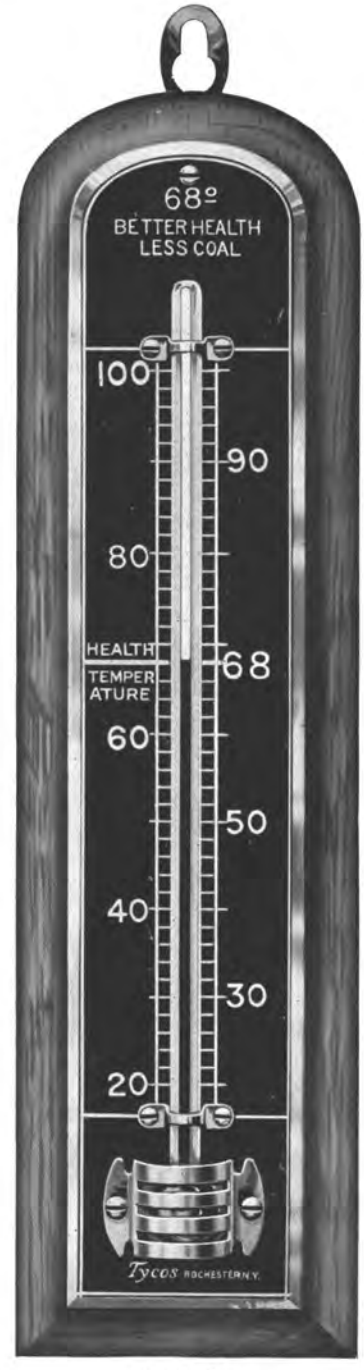
(*Description on pages 44 and 45*)



No. 5100



No. 5101



No. 5105S

No. 5100

Cabinet Thermometers—Continued

Tycos-Quality (Best Grade)

(*Large illustrations on page 43*)

Every detail of these instruments is worked out to produce the perfection of thermometer making.

The very best of materials and skilled workmanship enter into them, the result being thermometers of accuracy, refinement and beauty.

Each thermometer stamped *Tycos*, our Registered Trade Mark. Magnifying seasoned tubes, black-oxidized brass, bevel-edged scales, white-filled figures, gold-plated screws, tube-clasps and bulb-guards, extra-finish wood backs in golden or weathered oak or ebonized.

No. 5101

		CODE WORD 6-INCH	8-INCH	10-INCH	12-INCH	18-INCH
No. 5100	*Tycos* Cabinet Thermometer. . . . . 10° to 40° below zero to 120° F. above. 6-inch, 8-inch, 10-inch and 12-inch sizes, packed each in a box and ½ dozen in a carton. 18-inch size packed each in a box. In the 6-inch size range not lower than 20° F. below zero. Mercury-filled tubes.	**Amiku**	**Adipf**	**Adirc**	**Adisn**	**Aditz**
No. 5100S	*Tycos* Cabinet Thermometer. . . . . Same as No. 5100, except permacolor-filled tubes and approximate scale range 20° to 60° F. below zero to 120° above.	**Amilg**	**Adivo**	**Adiwe**	**Adixi**	**Adizy**
No. 5100S F. & R.	*Tycos* Cabinet Thermometer. . . . . Fahrenheit and Reaumur scales, permacolor-filled tubes only. 8-inch size only.		**Adjop**			
No. 5100S F. & C.	*Tycos* Cabinet Thermometer. . . . . Fahrenheit and Centigrade scales, permacolor-filled tubes only. 8-inch size only.		**Adjun**			
No. 5101	*Tycos* Cabinet Thermometer. . . . . Approximate scale range 20° to 100° F. 6-inch, 8-inch, 10-inch and 12-inch sizes. Packed each in a box, ½ dozen in a carton. Mercury-filled tubes.	**Adlam**	**Adled**	**Adlik**	**Adlof**	
No. 5101S	*Tycos* Cabinet Thermometer. . . . . Same as No. 5101, except permacolor-filled tubes.	**Adlur**	**Adlyz**	**Admag**	**Admin**	
No. 5104S	*Tycos* Cabinet Thermometer. . . . . Eight-inch white enamel back, mat-silver-finished scales, black-filled figures and graduations. Indoor range, approximately 20° to 100° F. Permacolor-filled magnifying tubes only. 8-inch size only. Packed each in a box, ½ dozen in a carton.		**Adkuy**			

NOTE—Extra for certification. Tubes etched every 2°, and scales graduated every 10°, and typed alternately every 10°. Each thermometer furnished with a certificate of correction at 32°. 62° and 92°. . . . . CODE WORD **Admok**

Price List in pocket on inside of front cover.

Cabinet Thermometers—Continued

Health Temperature Thermometers

No. 5105S

No. 5106S

To accord with the concerted effort throughout the country to conserve coal, we have added to our line two numbers of thermometers stamped at the top "68°—Better Health, Less Coal." The 70° is omitted from the readings on the scale, but there is a red line drawn across the scale at 68° and the 68° is stamped on the scale in red, as well as the words "Health Temperature."

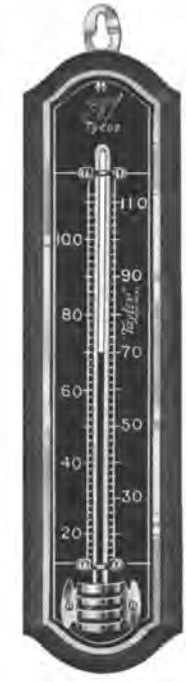
		CODE WORD 8-INCH	CODE WORD 10-INCH
No. 5105S	*Tycos* Health Temperature Thermometer. Made with golden-oak back, heavy, bevel-edged black-oxidized brass scale with figures and graduations white-filled and gold-plated screws, tube-clasps and bulb-guard. Magnifying, permacolor-filled tube. Approximate scale range 20° to 100° F. Made in 8-inch and 10-inch sizes. Packed each in a box, ½ dozen in a carton.	**Admub**	**Admyf**
No. 5106S	*Tycos* Health Temperature Thermometer. Same as No. 5105S, except with white-enameled back. Made in 8-inch size only.	**Adnas**	.....

(*Page 40 for Assortment No. 3048 of these thermometers*).

Cabinet Thermometers—Continued

No. 5110S

No. 5115S



No. 5112S

"Elite" *Tycos*-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

		6-INCH	8-INCH
No. 5110S	*Tycos* Cabinet Thermometer	**Adnek**	**Adnir**

Special hand-rubbed finish, thin mahogany or golden-oak backs. Black-oxidized, bevel-edged brass scales, gold-plated screws, tube-clasps and bulb guard, magnifying permacolor-filled seasoned tube. Silver-deposited figures and graduations. Scale range approximately 20° to 120° F. above zero. Packed each in a box, ½ dozen in a carton. Made in 6-inch and 8-inch sizes.

No. 5112S *Tycos* Cabinet Thermometer . . . . . **Adnum**

Same as No. 5110S, except with shaped ends. Made in 8-inch size only.

NOTE—Extra for certification. Tubes etched every 2° and scales graduated every 10° and typed alternately every 10°. Each thermometer furnished with a certificate of correction at 32°, 62° and 92°. **Admok**

"Petite" *Tycos*-Quality (Best Grade)

		5-INCH
No. 5115S	*Tycos* "Petite" Thermometer (All Metal)	**Adnyp**

Black-oxidized brass scale mounted on white-enameled metal back; magnifying, permacolor-filled tube; gold-plated screws, tube-clasps and bulb guard; white-filled figures and graduations, 5-inch size only. Indoor range of approximately 20° to 100° F. Packed each in a box, ½ dozen in a carton.

Cabinet Thermometers—Continued

No. 5120S

No. 5121S

No. 5125S

Taylor-Quality (Medium Grade)

		CODE WORD 6-INCH	8 INCH	10-INCH	12-INCH	14-INCH
No. 5120	*Taylor* Cabinet Thermometer. . . . . Magnifying mercury-filled tube; black-oxidized brass scale, white filled figures and graduations; brass screws, tube-clasps and bulb guard. Natural or weathered oak, or red cherry finished backs. 10° to 40° below zero to 120° F. above. 6-inch, 8-inch and 10-inch packed each in box, 1 dozen in carton: 12-inch and 14-inch packed each in box, ½ dozen in carton.	Adoce	Adoez	Adofa	Adogo	Adoig
No. 5120S	*Taylor* Cabinet Thermometer. . . . . Same as No. 5120, except permacolor-filled tube and scale range 10° to 60° F. below zero to 120° above.	Adols	Adorf	Adoxu	Adoyd	Adpaf
No. 5120S F. & R.	*Taylor* Cabinet Thermometer. . . . . Same as No. 5120S, except Fahrenheit and Reamur scales, permacolor-filled tube. 8-inch size only.		Adpeg			
No. 5120S F. & C.	*Taylor* Cabinet Thermometer. . . . . Same as No. 5120S, except Fahrenheit and Centigrade scales, permacolor-filled tube. 8-inch size only.		Adpit			
No. 5121S	*Taylor* Cabinet Thermometer. . . . . Same as No. 5120S, except approximately 20° to 100° F. above zero. Permacolor-filled tube.	Adpli	Adpol	Adpuk	Adreb	Akxyf
	NOTE—If silvered scales are desired, so specify. . . . . We especially recommend black-oxidized scales, as this finish is much more durable.			Adroz		

Taylor Health Temperature Thermometer

No. 5125S	*Taylor* Health Temperature Thermometer. . . Natural oak, beveled-edge back, black-oxidized brass scale and white-filled figures and graduations. Polished-brass screws tube-clasps and bulb guard, magnifying permacolor-filled tube. Scale range 20° to 120° above zero.	Adrif	Agdis

(Page 37 for Assortment No. 204S of these thermometers).

Cabinet Thermometers—Continued

No. 5140

Ordinary Grade

		CODE WORD 7-INCH	8-INCH	10-INCH
No. 5140	Cabinet Thermometer.	**Adsaz**	**Adsby**	**Adsep**

Magnifying mercury-filled tube, black-oxidized brass scale, white-filled figures, nickeled tube-straps and bulb-guard. Wood backs in birch or walnut finish. Made in 7-inch, 8-inch and 10-inch sizes. Packed each in folding box and 1 dozen in a carton. Scale range approximately 10° to 40° below zero to 120° F. above.

No. 5140S	Cabinet Thermometer.	**Adsim**	**Adsni**	**Adsos**

Same as No. 5140, except permacolor-filled tube and scale range approximately 20° to 60° below zero to 120° F. above.

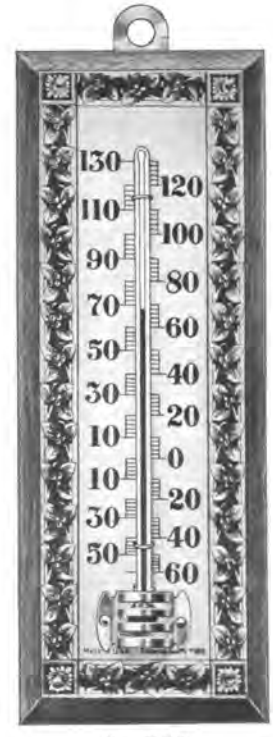
NOTE—If silvered scales are desired, specify by letter "W" . . . . . CODE WORD **Adroz**

We especially recommend black-oxidized scales, as this finish is much more durable.

Distance-Reading Thermometers

No. 5154

No. 5160S



No. 5162S

Selected Ordinary Grade

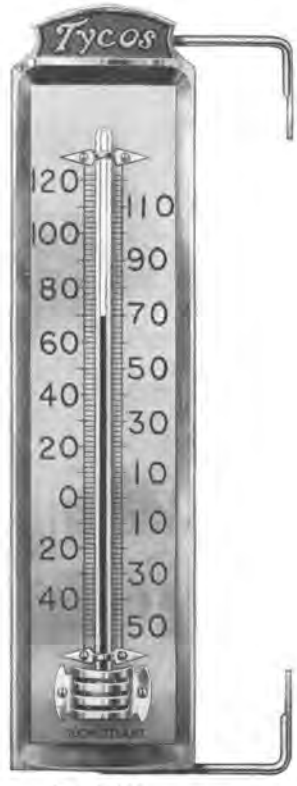
		CODE WORD 8-INCH	CODE WORD 10-INCH
No. 5154	Distance-Reading Thermometer. Coppered metal case, black-oxidized brass scale, with white-filled figures and graduations. Magnifying mercury-filled tube, 10° to 40° F. below zero to 120° F. above. Made in 8-inch and 10-inch sizes. Packed each in a box, 1 dozen in a carton.	Adste	Adsul
No. 5154S	Distance-Reading Thermometer. Same as No. 5154, except permacolor-filled tube, and scale range 20° to 60° F. below zero to 120° F. above.	Adtap	Adtej

Ordinary Grade

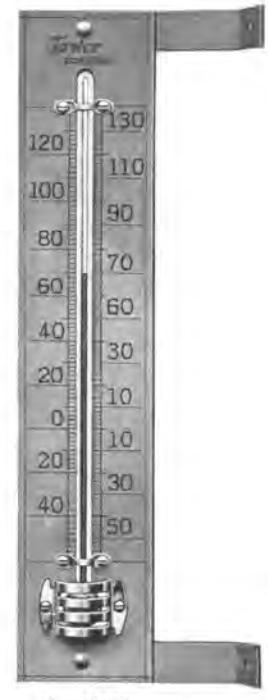
No. 5160S	Distance-Reading Thermometer. Lithographed-tin scale, magnifying permacolor-filled tube. Scale range 20° to 60° F. below zero to 120° F. above. 8-inch size only. Packed each in folding box, 1 dozen in a carton.	Adtga	.....
No. 5162S	Distance-Reading Thermometer. Lithographed-tin scale, mounted on varnished whitewood back. Made in 8-inch and 10-inch sizes. Scale range 20° to 60° F. below zero to 120° F. above. Packed each in a folding box, 1 dozen in a carton.	Adtox	Adtud

Price List in pocket on inside of front cover.

Window Thermometers



No. 5305S



No. 5315S

Tycos-Quality (Best Grade)

CODE WORD

No. 5305S *Tycos* Window Thermometer . . . . . **Adtve**

Polished solid-bronze case, 11 inches long and 2⅝ inches wide; brackets to match, interchangeable for attaching to left or right side of window and adjustable to any desired angle; non-corrosive zinc scale; permacolor-filled, magnifying tube. Approximate scale range 20° to 60° F. below zero to 120° above. Packed each in a box. Gold-plated screws, tube-clasps and bulb-guard.

Taylor-Quality (Medium Grade)

	CODE WORD	
	8-INCH	10-INCH
No. 5315S *Taylor* Window Thermometer	**Adtyg**	**Aduav**

Has adjustable arms for attaching to either side of window casing. These arms and the thermometer scale are made of special select zinc, to stand the weather. Bulb-guard, tube-clasps, rivets and screws are of polished brass. The magnifying glass tube is filled with non-fading red permacolor, which, together with the black-filled graduations and figures, make readings easy from inside the house through the window. Approximate scale range 20° to 60° F. below zero to 120° above. Packed each in a box, 1 dozen in a carton. Made in 8-inch and 10-inch sizes.

Price List in pocket on inside of front cover.

"Radial Scale" Thermometer

Tycos-Quality (Best Grade)

No. 5350S
(About three-fourths actual size)

Designed to suspend by a chain and snap from the chandelier or wall fixture. Can be read at a distance and from all parts of the room. The tube is protected on all sides.

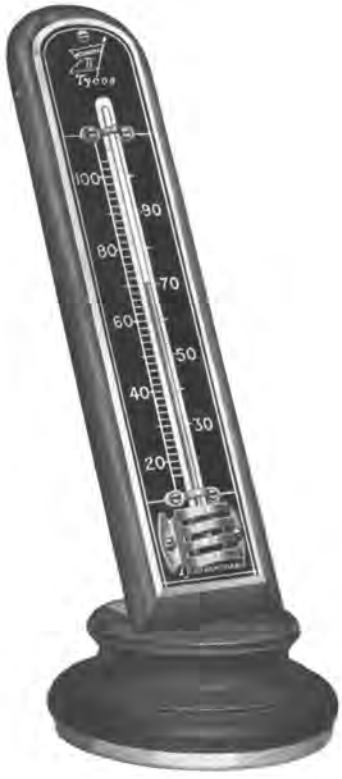
Hanging away from the side walls, these thermometers give the actual room temperature much more accurately, as their readings are not affected by anything except the actual temperature of the air in the room.

Each stamped *Tycos*, our Registered Trade Mark.

No. 5350S *Tycos* "Radial Scale" Thermometer..... CODE WORD **Aduct**

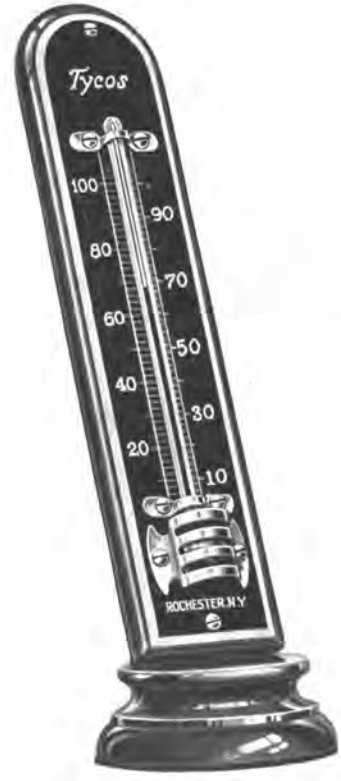
Large-bore permacolor-filled tube, black-oxidized brass scales, white-filled figures and graduations. Plain nickel-plated brass ends. Size 6½ inches by 1¾ inches. Approximate scale range 20° to 100° F. Packed each in a box, ½ dozen in a carton.

Desk Thermometers



No. 5340S
(About one-half actual size)

No. 5356S
(About four-fifths actual size)



No. 5354S
(About two-thirds actual size)

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

No. 5340S *Tycos* Mahogany Desk Thermometer . . . . . **Aduff**

Six-inch, black-oxidized metal scale; magnifying permacolor-filled tube; silver-deposited figures and graduations; mounted on special hand-rubbed, piano-finish, thin mahogany back, on base of same finish. Approximate scale range 20° to 100° F. Base with bronze ring, on which thermometer rests. Gold-plated screws, tube-clasps and bulb-guard. Packed each in a box, ½ dozen in a carton.

No. 5354S *Tycos* All-Metal Desk Thermometer . . . . . **Adugz**

Black-oxidized metal scale mounted on solid metal base, 1¾-inch diameter. Stands 6 inches high. Magnifying permacolor-filled tube, silver-deposited figures and graduations. Approximate scale range 20° to 100° F. Gold-plated screws, tube-clasps and bulb-guard. Scale and base finished in instrument black. Packed each in a box, ½ dozen in a carton.

NOTE—Extra for certification of Nos. 5340S and 5354S. Tubes etched every 2°, and scales graduated every 10° and typed alternately every 10°. Each thermometer furnished with a certificate of correction at 32°, 62° and 92° . . . . . **Admok**

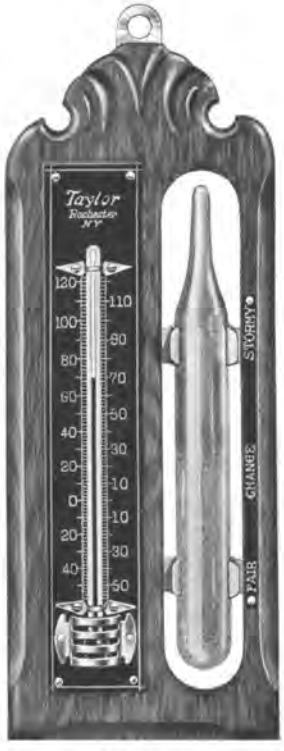
Taylor-Quality (Medium Grade)

No. 5356S *Taylor* "Temp-Rite" Desk Thermometer . . . . . **Adino**

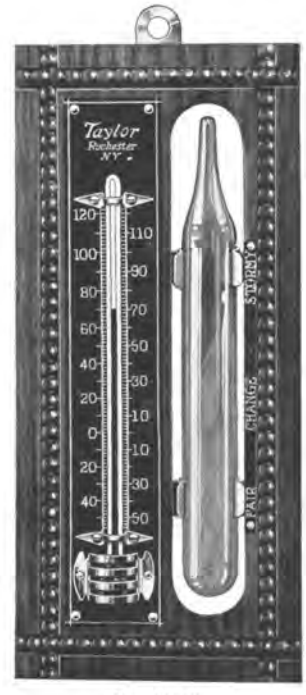
Are designed for use on mantel, desk, table or dresser. They stand 5½ inches high. The permacolor-filled, magnifying tube and black-oxidized brass scale with white-filled figures and graduations are mounted on wood back of Flemish, bog and mission-finished oak. Approximate scale range 20° to 100° F. Packed in attractive display package as illustrated on page 42.

Price List in pocket on inside of front cover.

Storm Glasses



No. 5362S



No. 5364S

Taylor-Quality (Medium Grade)

CODE WORD

No. 5362S *Taylor* Storm Glass and Thermometer . . . . . **Aduje**

Weather words "Fair," "Rain" and "Stormy" engraved on metal strip at side of bottle. Black-oxidized 7-inch thermometer scale, white-filled figures, magnifying permacolor-filled tube. Polished-brass screws, tube-clasps and bulb-guard. Scale range 20° to 60° below zero to 120° F. above. Fancy carved-oak back, 9 inches by 3½ inches. Packed each in a box, ½ dozen in a carton.

No. 5364S *Taylor* Storm Glass and Thermometer . . . . . **Aduku**

Weather words "Fair," "Rain" and "Stormy" engraved on metal strip at side of bottle. Black-oxidized 7-inch thermometer scale, white-filled figures, magnifying permacolor-filled tube. Polished-brass screws, tube-clasps and bulb-guard. Scale range 20° to 60° below zero to 120° F. above. Beaded edge, oak back, 8½ inches by 4 inches. Packed each in a box, ½ dozen in a carton.

Storm Glasses—Continued

No. 5370

No. 5378S

Ordinary Grade

CODE WORD

No. 5370 Storm Glass and Thermometer . . . . . **Adulg**

Black-oxidized brass scale, white-filled figures, marked "Fair," "Change" and "Stormy," at side of Storm Glass, black-japanned tin case, size 8 inches by 2¼ inches, magnifying mercury-filled tube. Packed each in a box, 1 dozen in a carton. Approximate scale range, 10° to 40° F. below zero to 120° F. above.

No. 5370S Storm Glass and Thermometer . . . . . **Adunn**

Same as 5370, except permacolor-filled tube and approximate scale range 20° to 60° F. below zero to 120° above.

No. 5372 Storm Glass and Thermometer . . . . . **Aduob**

Same as 5370, except coppered case and trimmings.

No. 5372S Storm Glass and Thermometer . . . . . **Aduph**

Same as 5372, except permacolor-filled tube and approximate scale range 20° to 60° F. below zero to 120° above.

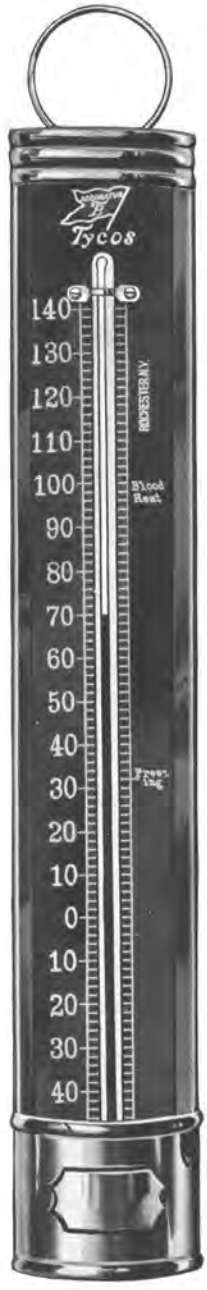
No. 5378S Storm Glass and Thermometer . . . . . **Adiow**

Black-oxidized 7-inch scale with white-filled figures and graduations. "Fair," "Change" and "Stormy" at side of Storm Glass. Magnifying permacolor-filled thermometer tube. Assorted finishes: 4 brown, 4 green and 4 mission. Scale range 20° to 60° F. below zero to 120° F. above. Packed one dozen in a box, six on a display card (*illustrated on page 42*) and the remaining six packed in collapsible boxes.

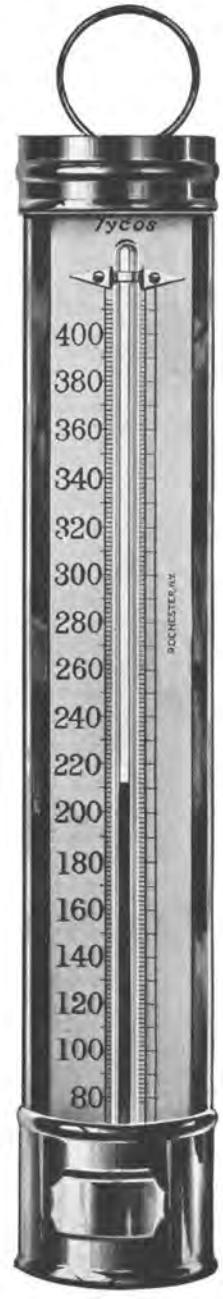
Japanned Tin and Copper Case Thermometers

These two numbers are illustrated large to bring them to your attention as our *Tycos*-Quality (Best Grade) and specially deserving your favorable consideration.

(*Pages 56 and 57 for description*).



No. 5400



No. 5402

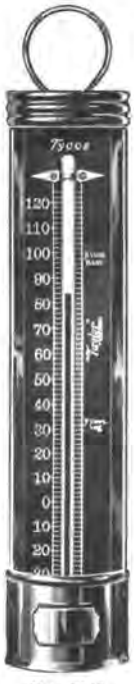
Japanned Tin and Copper Case Thermometers—Continued

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

"Air" Temperatures

Approximate Scale range, 10° to 40° F. below zero for mercury-filled tubes and 20° to 60° F. below for permacolor-filled tubes, to 120° F. above.



No. 5400

		CODE WORD 8-INCH	10-INCH	12-INCH
No. 5400	*Tycos* Tin Case Thermometer.... Black-japanned heavy tin case. Oxidized-brass scale, white-filled figures, gold-plated screws and tube-clasps. Made in 8-inch, 10-inch and 12-inch sizes. Packed each in a box, ½ dozen in a carton. Large magnifying, mercury-filled seasoned tube.	Adusp	Aduts	Aduwi
No. 5400S	*Tycos* Tin Case Thermometer.... Same as No. 5400, except permacolor-filled tube.	Adzug	Adzyr	Afaab
No. 5400P	*Tycos* Copper Case Thermometer Same as 5400, except copper case.	Aduxo	Aduym	Aduza
No. 5400PS	*Tycos* Copper Case Thermometer Same as 5400P, except permacolor-filled tube.	Afads	Afaen	Afafu
No. 5400S F. & C.	*Tycos* Tin Case Thermometer,... Same as No. 5400S, except Fahrenheit and Centigrade scales. Made in 10-inch size only.	.....	Advan	.....
No. 5400 F. & R.	*Tycos* Tin Case Thermometer.... Same as No. 5400, except Fahrenheit and Reaumur scales. Made in 12-inch size only.	.....	.....	Adury

"Water Boil" Temperatures

Approximate scale range, 0° to 220° F.

		CODE WORD 10-INCH	12-INCH
No. 5401	*Tycos* Tin Case Thermometer..... Black-japanned heavy tin case, silvered-brass scale, black-filled figures. Packed each in a box, ½ dozen in a carton. Made in 10-inch and 12-inch sizes.	Advra	Advys
No. 5401 F. & R.	*Tycos* Tin Case Thermometer..... Same as No. 5401, except with Fahrenheit and Reaumur scales.	Afosn	Afotz
No. 5401P	*Tycos* Copper Case Thermometer..... Same as 5401, except copper case.	Adxil	Adxot
No. 5401P F. & R.	*Tycos* Copper Case Thermometer..... Same as No. 5401P, except with Fahrenheit and Reaumur scales.	Agsdy	Agsvu
No. 5401K F. & R.	*Tycos* Copper Cup-Case Thermometer..... Same as 5401P, F. and R. except with Cup-Case. Made in 12-inch size only.	.....	Akyli

Price List in pocket on inside of front cover.

Japanned Tin and Copper Case Thermometers—Continued

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

"High" Temperatures

Approximate scale range of 10-inch, 50° to 300° F.; 12-inch, 50° to 350° or 400° F.

		CODE WORD 10-INCH	CODE WORD 12-INCH
No. 5402	*Tycos* Tin Case Thermometer. Black-japanned heavy tin case, mercury-filled magnifying tube, silvered-brass scale, black-filled figures. Packed each in a box, ½ dozen in a carton. Made in 10-inch and 12-inch sizes.	**Adyax**	**Adycs**
No. 5402P	*Tycos* Copper Case Thermometer. Same as No. 5402, except copper case.	**Adyda**	**Adyem**

"Cold Storage" Temperatures

Approximate scale range 20° F. below zero to 70° F. above.

		CODE WORD 12-INCH
No. 5403S	*Tycos* Tin Case Thermometer. Black-japanned heavy tin case, permacolor-filled tube, silvered-brass scale, black-filled figures. Made in 12-inch size only. Packed ½ dozen in a box.	**Adyfe**
No. 5403PS	*Tycos* Copper Case Thermometer. Same as No. 5403S, except copper case.	**Adyog**
No. 5403S F. & R.	*Tycos* Tin Case Thermometer. Same as No. 5403S, except with Fahrenheit and Reaumur scales. Made in 12-inch size only.	**Aknaj**

Extra Scales and Cases

		CODE WORD 8-INCH	CODE WORD 10-INCH	CODE WORD 12-INCH
No. 5400A	Scales only. Made in 8-inch, 10-inch and 12-inch sizes.	**Adyru**	**Adyst**	**Adyvi**
No. 5401A	Scales only. Made in 10-inch and 12-inch sizes.		**Afuve**	**Agnab**
No. 5402A	Scales only. Made in 10-inch and 12-inch sizes.		**Adzat**	**Adzef**
No. 5403A	Scales only. Made in 12-inch size only.			**Adzom**

NOTE—Range of 60° to 80° below zero (permacolor-filled tubes), add 33⅓% to list prices. CODE WORD **Adhov**

No. 5410

Taylor-Quality (Medium Grade)

"Air" Temperatures

Approximate scale range, 20° to 60° F. below zero to 120° F. above

		CODE WORD 8-INCH	CODE WORD 10-INCH	CODE WORD 12-INCH
No. 5410	*Taylor* Tin Case Thermometer. Black-japanned heavy tin case, magnifying mercury-filled tube, black-oxidized brass scale, white-filled figures, brass screws and tube-clasps. Made in 8-inch, 10-inch and 12-inch sizes. Packed each in a box, ½ dozen in a carton.	**Afagt**	**Afaix**	**Afaky**
No. 5410S	*Taylor* Tin Case Thermometer. Same as No. 5410, except permacolor-filled tube.	**Afalz**	**Afamd**	**Afank**
No. 5410S F. & C.	*Taylor* Tin Case Thermometer. Same as No. 5410S, except Fahrenheit and Centigrade scales. Made in 10-inch size only.		**Afaoj**	

Japanned Tin and Copper Case Thermometers—Continued

No. 5420

Selected Ordinary Grade

		CODE WORD 8-INCH	10-INCH	12-INCH
No. 5420	Tin Case Thermometer. Black-japanned tin case, magnifying mercury-filled tube, black-oxidized metal scale, white-filled figures. Approximate scale range 10° to 40° F. below zero to 120° F. above. Made in 8-inch, 10-inch and 12-inch sizes. Packed 1 dozen in a box.	**Afarg**	**Afasm**	**Afath**
No. 5420S	Tin Case Thermometer. Same as No. 5420, except approximate scale range 20° to 60° below zero to 120° F. above and with permacolor-filled tubes.	**Afauo**	**Afava**	**Afawo**
No. 5420S F. & R.	Tin Case Thermometer. Same as No. 5420S, except Fahrenheit and Reaumur scales.	**Agnen**		
No. 5420S F. & C.	Tin Case Thermometer. Same as No. 5420S, except Fahrenheit and Centigrade scales.	**Agnix**		
No. 5421	Tin Case Thermometer. Same as No. 5420, except with approximate scale range zero to 220° F. above.	**Afaxe**	**Afayv**	**Afazi**

"Convex" Coppered-Case Thermometers

		CODE WORD 6-INCH	8-INCH	10-INCH
No. 5430	Coppered-Case Thermometer. Coppered case, black-oxidized brass scale, white-filled figures, magnifying mercury-filled tube. Approximate scale range 10° to 40° below zero to 120° F. above.	**Afbao**	**Afbez**	**Afbig**
No. 5430S	Coppered-Case Thermometer. Same as No. 5430, except permacolor-filled tube and approximate scale range 20° to 60° F. below zero to 120° F. above.	**Afbuj**	**Afbyd**	**Afcad**

Self-Registering Thermometers

(Maximum and Minimum)
Six's Pattern

No. 5452

Tycos - Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

		CODE WORD 8-INCH	CODE WORD 10-INCH
No. 5452	*Tycos* Self-Registering Thermometer. Black-japanned tin case, black-oxidized brass scale, white-filled figures. Made in 8-inch and 10-inch sizes. Approximate scale range 10° to 40° F. below zero to 120° above. Packed each in a box.	**Afcec**	**Afcov**
No. 5452P	*Tycos* Self-Registering Thermometer. Same as No. 5452, except copper case.	**Afcus**	**Afcyx**
No. 5466	*Tycos* Self-Registering Thermometer. Same as No. 5452, except approximate scale range 30° F. above zero to 220° above. 10-inch size only.		**Afdak**
No. 5466P	*Tycos* Self-Registering Thermometer. Same as No. 5466, except copper case.		**Afdid**

Price List in pocket on inside of front cover.

Self-Registering Thermometers—Continued

No. 5484
(About one-third actual size)

No. 5490
(About-one-third actual size)

No. 5498
(About one-half actual size)

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

No. 5484 *Tycos* Maximum and Minimum Thermometer . . . . . **Afdla**
Golden oak back, 12-inch black-oxidized brass scale, magnifying tube. Each tube mounted on a separate plate, attached at one end with a thumbscrew so that the thermometers may be reset, as illustrated above. Packed each in a box, ½ dozen in a carton.

No. 5484A Extra Maximum Scales with tubes, for No. 5484 . . . . . **Afdor**

No. 5484B Extra Minimum Scales with tubes, for No. 5484 . . . . . **Afdre**

No. 5488 *Tycos* Maximum Thermometer . . . . . **Afduz**
Golden oak back, 12-inch black-oxidized brass scale, magnifying tube. Packed each in a box, ½ dozen in a carton.

No. 5490 *Tycos* Minimum Thermometer . . . . . **Afear**
Same as No. 5488, except minimum scale.

No. 5498 *Tycos* Minimum Thermometer . . . . . **Afebe**
Zinc flanged scale, 10 inches long.

NOTE—Ranges of 60° to 80° below zero (permacolor-filled tubes) add 33⅓% to list prices. . . **Adhov**

Price List in pocket on inside of front cover.

Self-Registering Thermometers—Continued

No. 5500
(About one-third actual size)

No. 5508
About one-third actual size

Taylor-Quality (Medium Grade)

CODE WORD

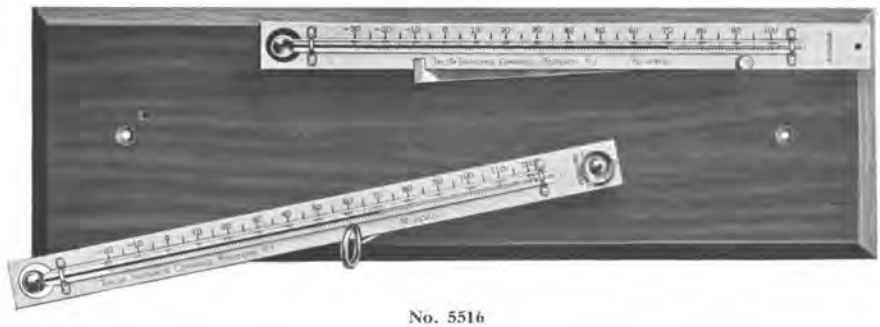
No. 5500 *Taylor* Cabinet Minimum Registering Thermometer..... **Afeiz**

Golden-oak back, 10-inch black-oxidized brass scale, white-filled figures, magnifying tube. Polished brass screws, tube-clasps and bulb-guard. Approximate scale range 20° to 60° below to 120° F. above. Packed each in a box, 1 dozen in a carton.

No. 5508 *Taylor* Cabinet Minimum Registering Thermometer..... **Afeki**

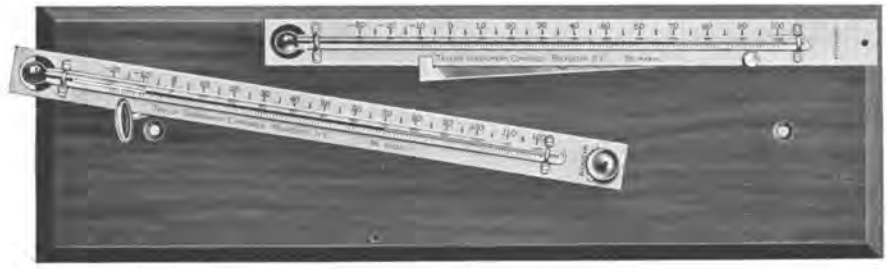
Black-japanned tin case, 10-inch black-oxidized brass scale, white-filled figures. Approximate scale range 20° to 60° below to 120° F. above. Packed each in a box, 1 dozen in a carton.

Self-Registering Thermometers—Continued



No. 5516

(The above shows thermometers in position for taking a reading)



No. 5516

This shows thermometers in position after they are "set")

(Illustrations about one-fourth actual size)

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

No. 5516 *Tycos* Maximum and Minimum Set, with certificates . . . . . **Afeln**

Engraved plain-bore tubes, round bulbs, mounted on 12-inch aluminum scales, on which are marked the figures every 10 degrees and every five-degree line of the scale. Minimum tube filled with uncolored spirit. Brass insulating supports with binding screws, mahogany-finish board 17 inches by 5 inches. Each in a wood box.

No. 5518 *Tycos* Maximum Self-Registering Thermometer, with certificate **Afemt**

Plain-bore mercury tube mounted on 12-inch aluminum scale, with insulating support, but without board. Each in a wood box.

No. 5520 *Tycos* Minimum Self-Registering Thermometer, with certificate **Afeno**

Same as No. 5518, except uncolored-spirit-filled tube, and minimum scale. Each in a wood box.

NOTE—If No. 5518 or No. 5520 are to be used as a part of No. 5516 set, so specify in ordering.

NOTE—Ranges of 60° to 80° below zero (uncolored spirit-filled tubes) . . . . . **Adhov**

Thermometers and Hygrometers

Weather Bureau Pattern

No. 5524
(About one-third actual size)

No. 5530
(About one-fourth actual size)

No. 5526
(About one-third actual size)

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark.

CODE WORD

No. 5524 *Tycos* Thermometer, with certificate . . . . . **Afeod**

Engraved mercury-filled tube, with cylindrical bulb, mounted on 9½-inch aluminum scale on which are marked every five-degree line of the scale and the figures every ten degrees. Brass insulating supports and binding screws. Each in wood box.

No. 5526 *Tycos* Thermometer, without certificate . . . . . **Aferk**

Mercury-filled magnifying tube, round bulb, figures and degree lines graduated on 12-inch black-oxidized brass scale.

No. 5530 *Tycos* Hygrometer, with certificate . . . . . **Afeuf**

Two thermometers same as No. 5524, with certificates, mounted on mahogany-finish board 17 inches by 5 inches, one connected by silk wick with nickel-plated brass cistern.

NOTE—Ranges 60° to 80° below zero (uncolored spirit-filled tube, Nos. 5524 and 5526) . . . **Adhov**

Price List in pocket on inside of front cover.

Hygrometers

Various forms of this instrument have been devised for determining the amount of moisture in the atmosphere, ascertaining the relative humidity, and forecasting the probability of frost, but none with the same universal satisfaction (when the instrument is understood and proper observations taken) as the form known as Mason's Hygrometer. The construction of this instrument consists of two thermometers as nearly alike as possible in range of scale, mounted on either side of a block of polished wood, with a cistern of water between. The thermometer marked *dry* is exposed to the air, the other, marked *wet*, has its bulb surrounded by a piece of silk, which passes down into the opening in the cistern, acting as a wick and keeping the bulb of the thermometer constantly moist. As evaporation causes a loss of heat the wet bulb thermometer will read lower than the other, provided there is any degree of dryness in the air. When the air is very dry, the difference in their readings will be great; if moist, the difference will be proportionately less; but if the air is fully saturated both thermometers will read alike, as there can be no evaporation.

By the use of tables, which we furnish with each Hygrometer, the point at which the air would begin to deposit moisture, known as the dew point, and the percentage of saturation of the air (humidity) are readily ascertained.

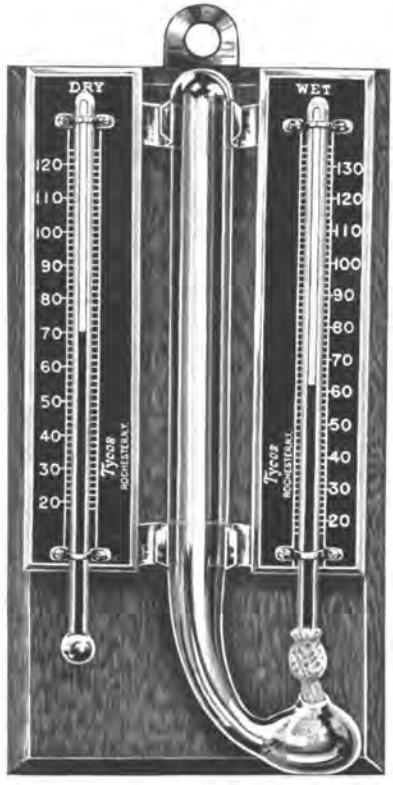
No tables are required when the "Hygrodeik" is used (*pages 66 and 67.*)

Dew is formed by the radiation of heat from the surface of trees, plants, etc., which reduces the temperature of the air near the immediate surface of such objects to the point of complete saturation, causing moisture to be deposited. The Hygrometer therefore becomes of the greatest value to the farmer and florist, since in the hands of an intelligent observer the formation of frost can be foretold with certainty, enabling him to take steps to prevent damage to delicate plants exposed to the open air. If the temperature of the air on a clear day at sundown be 50° and the reading of the wet bulb thermometer 40°, the dew point, according to the tables referred to, would be 27°, and frost would follow with certainty; but should the wet bulb thermometer stand at 47° and the temperature of the air at 50°, then the dew point would be reached at 44° and no frost need be feared.

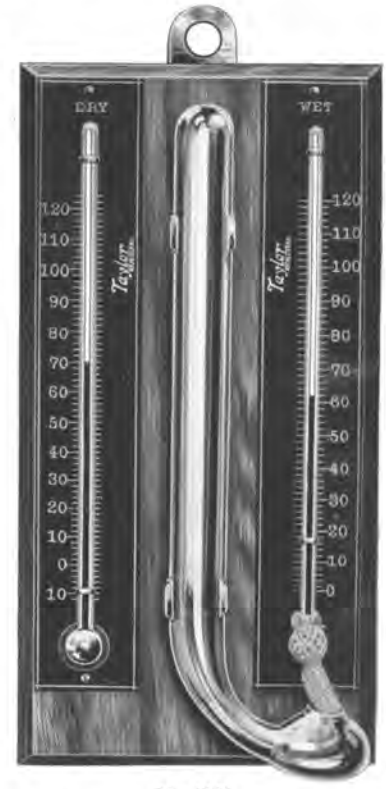
In the household, for maintaining a degree of healthful humidity; in the sick chamber, where by its use any degree of moisture will be indicated; in many branches of manufactures, as cotton carding, incubating, in drying rooms, malt houses and greenhouses, it is gradually being recognized as an indispensable instrument.

Hygrometers—Continued

Mason's Form Hygrometers



No. 5532



No. 5536

(Illustrations about one-half actual size)

For determining the relative and absolute humidity and dew point, and foretelling frosts with Ready Reference Relative Humidity Tables and U. S. Government Tables.

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

No. 5532 *Tycos* Mason's Form Hygrometer . . . . . **Affat**

Magnifying mercury-filled tubes, black-oxidized brass scales, white-filled figures and graduations, insulating brass supports. Scale range approximately 20° to 120° F. Glass siphon waterbottle. Mahogany-finish board; size 8½ inches by 4½ inches. Packed each in a box.

No. 5533 *Tycos* Mason's Form Hygrometer . . . . . **Affdo**

Same as No. 5532 except on metal panel and scale range 60° to 220° F. Packed each in a box.

Taylor-Quality (Medium Grade)

No. 5536 *Taylor* Mason's Form Hygrometer . . . . . **Affge**

Magnifying mercury-filled tubes, black-oxidized brass scales, white-filled figures and graduations. Scale range approximately 20° to 120° F. Glass siphon water bottle. Oak board, size 8½ inches by 4½ inches.

Extras

Silk wicks for Mason's Hygrometers . . . . . **Akoec**

Price List in pocket on inside of front cover.

Hygrometers—Continued
Hygrodeiks (Standing Form)

No. 1300
(About one-third actual size)

For determining the relative and absolute humidity and dew point and foretelling frosts without any reference to tables, (*page 67*).

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark.

		CODE WORD
†No. 1300	*Tycos* Standing-Form Hygrodeik. Nickel-silver dial, black-japanned iron frame, size 10 inches by 7¾ inches by 3 inches, engraved, magnifying, mercury-filled tubes, glass cistern, silk wick. Range 20° to 120° F. Packed each in a box.	Affly
†No. 1300A	*Tycos* Standing-Form Hygrodeik. Same as No. 1300, except polished-brass frame.	Affom
†No. 1300B	*Tycos* Standing-Form Hygrodeik. Same as No. 1300, except oxidized-brass frame.	Affpu
†No. 1301	*Tycos* Standing-Form Hygrodeik. Same as No. 1300, except scale range 80° to 180°F.	Affri
†No. 1301A	*Tycos* Standing-Form Hygrodeik. Same as No. 1300A, except scale range 80° to 180° F.	Affsa
†No. 1301B	*Tycos* Standing-Form Hygrodeik. Same as No. 1300B, except scale range 80° to 180° F.	Affug
†No. 1302	*Tycos* Standing-Form Hygrodeik. Same as No. 1300, except card dial.	Affyr
†No. 1302A	*Tycos* Standing-Form Hygrodeik. Same as No. 1300A, except card dial.	Afguy
†No. 1302B	*Tycos* Standing-Form Hygrodeik. Same as No. 1300B, except card dial.	Afhaf
	†Note—If Centigrade scales are desired, designate by C.	Ahiak

Extras

†Silk wicks for Hygrodeiks	Afheg
†Wet Tubes for Hygrodeiks	Akurx
†Dry Tubes for Hygrodeiks	Akxum

Price List in pocket on inside of front cover.

Hygrometers—Continued

Hygrodeik (Hanging Form)

No. 1305
(About one-third actual size)

For determining the relative and absolute humidity and dew point, and foretelling frosts without any reference to tables.

Directions for Reading

To find the relative humidity, swing the index hand to the left of the chart and adjust the sliding pointer to that degree line upon the chart which corresponds with the degree of temperature shown upon the engraved wet-bulb thermometer. Then swing the index hand to the right until the sliding pointer intersects the curved line which extends downward to the left from the degree line upon the chart corresponding with the indicated temperature of the dry-bulb thermometer. At this intersection the index hand will point to the relative humidity on the scale at the bottom of the chart.

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

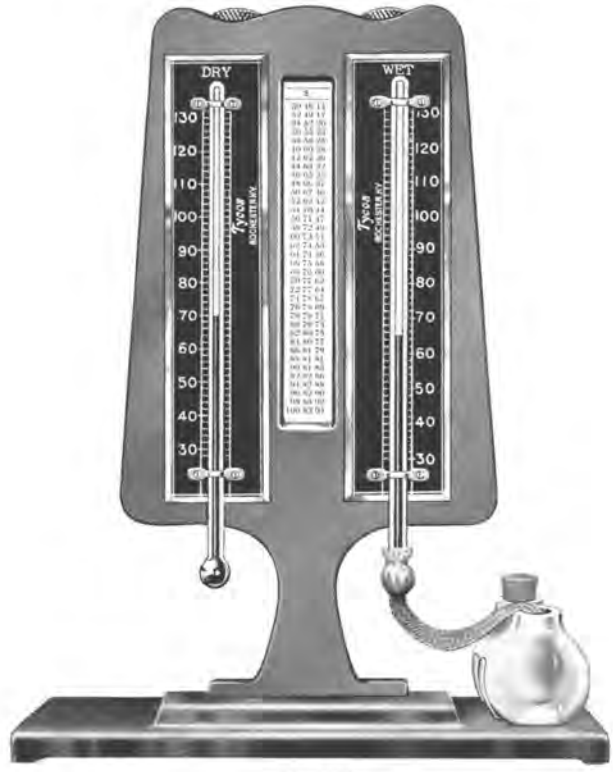
	CODE WORD
†**No. 1305** *Tycos* Hanging-Form Hygrodeik. Polished-brass frame, size 10½ inches by 8 inches by 3 inches, nickel-silver dial, engraved magnifying mercury-filled tubes, brass cistern, silk wick. Scale range 20° to 120° F. Packed each in a box.	**Afhit**
†**No. 1306** *Tycos* Hanging-Form Hygrodeik. Same as No. 1305, except scale range 80° to 180°F.	**Afhol**
†NOTE—If Centigrade scales are desired, designate by letter C.	**Ahiak**

Extras

†Silk wicks for Hygrodeiks	**Afheg**
†Wet Tubes for Hygrodeiks	**Akurx**
†Dry Tubes for Hygrodeik	**Akxum**

Hygrometers—Continued

Hygro-Autometer



No. 5558
(About one-half actual size)

Directions for Use

To find the relative humidity, turn the roll until the number at the head of the column corresponds with the difference of the readings of the wet and dry bulb thermometers, then follow the first row of figures down the column to that number corresponding with the reading of the dry bulb. The figures on the same line in the second row will indicate the relative humidity.

Tycos-Quality (Best Grade)

(Copyrighted)
Each stamped *Tycos*, our Registered Trade Mark

		CODE WORD
No. 5558	*Tycos* Hygro-Autometer. A dependable, easy-reading hygrometer for home and industrial use. Gray-enameled iron frame, size 9 inches by 7¾ inches by 3 inches, magnifying mercury-filled tubes, black-oxidized brass scales, glass cistern, silk wick. Packed each in a box.	**Afhuk**
No. 5558A	*Tycos* Hygro-Autometer. Same as No. 5558, except polished brass frame.	**Aficu**

Extras

Silk wicks for the Hygro-Autometer	**Agusk**
Tubes for the Hygro-Autometer	**Agvat**

Price List in pocket on inside of front cover.

Hygrometers—Continued

Sling-Psychrometer

No. 1322
(About one-third actual size)

The Sling Psychrometer was designed for the purpose of obtaining quick and more accurate results than are possible with the stationary wet-and-dry-bulb instruments. We have improved upon the original design by doing away with the link connection between the thermometer back and the handle. Our improved form lessens the liability of breakage in swinging and enables the user to obtain the readings more quickly than is possible with the less rigid, link-handle form.

Directions for Use

Dip the wicking-covered bulb into a cup of water—which for quick reading should be as near the temperature of the room as possible—until thoroughly saturated, and then whirl the instrument for 15 or 20 seconds, holding it well away from the body. Stop and note the wet-bulb temperature. Continue the operation, whirling and reading, until two consecutive readings of the wet-bulb thermometer are obtained alike, or nearly so, when the lowest temperature will have been reached. Unless the wicking is thoroughly saturated, correct readings will not be obtained. Tables and full directions are supplied with each instrument to determine the per cent. of relative humidity.

How to Determine Humidity with the Sling Psychrometer for Temperatures Below the Freezing Point

At temperatures below 32°, the wet-bulb thermometer must be treated in the following manner: The water vessel and the conducting cottons must be discarded and water applied sparingly to the bulb with a camel's hair brush. A thin coating of ice will then be formed on the muslin covering the bulb, and evaporation from the frozen surfaces will go on as before. After a thaw, the water vessel and conducting cottons can be restored, the bulb first being freed from ice.

A fine-thread, wide-mesh silk gauze covering the wet bulb has also proven satisfactory.

CODE WORD

†**No. 1322** *Tycos* Sling-Psychrometer . . . . . **Afies**
Scale 0° to 100° F., etched on 12-inch thermometer tube in ½° divisions. With copper protecting-case 16¾ inches long. Packed each in a box.

†**No. 1322A** Extra tubes for No. 1322 . . . . . **Aklyv**

Pocket Sling-Psychrometer

†**No. 1323** *Tycos* Pocket Sling-Psychrometer . . . . . **Afifi**
Scale 0° to 100° F. etched on 5-inch thermometer tube in 1° divisions. Seven inches long, with chain sling. Complete with leather carrying case. Packed each in a box.

†**No. 1323A** Extra Engraved Thermometers for No. 1323 . . . . . **Afilm**

Bath Thermometers

No. 5588

No. 5592S

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

No. 5588 *Tycos* Bath Thermometer ..... **Afimy**

Twelve-inch polished ash frame, with handle, black-oxidized brass scale, silver-deposited figures, magnifying mercury-filled tube. Approximate scale range 30° to 150° F.

No. 5592S *Tycos* Bath Thermometer ..... **Afina**

Twelve-inch ash frame with handle, heavy nickel-plated scale, large, magnifying permacolor-filled tube, large easy-reading figures. Approximate scale range 60° to 110° F.

Bath Thermometers—Continued

No. 5606S
(About one-third actual size)

No. 5607S
(About one-third actual size)

No. 5612S
(About one-third actual size)

No. 5615S
(About two-fifths actual size)

Taylor-Quality (Medium Grade)

CODE WORD

No. 5606 *Taylor* Bath Thermometer . . . . . **Agvat**

Twelve-inch ash frame with handle, silvered-brass scale, black figures, magnifying, permacolor-filled tube. Approximate scale range, 30° to 150° F.

No. 5606S *Taylor* Bath Thermometer . . . . . **Afion**

Same as No. 5606, except permacolor-filled tube.

No. 5607S *Taylor* Bath Thermometer . . . . . **Afipe**

Twelve-inch white-enameled frame with handle, nickel-plated scale, permacolor-filled tube. Approximate scale range, 30° to 150° F.

No. 5612S *Taylor* Bath Thermometer . . . . . **Afiro**

Twelve-inch round turned-wood frame and handle, magnifying permacolor-filled tube. Approximate scale range, 30° to 150° F.

Ordinary Grade

No. 5615S Bath Thermometer . . . . . **Afisl**

Nine-inch half-round wood back, flat front, permacolor-filled magnifying sunk tube. Graduations printed at the sides of the tube, tin bulb-guard. Approximate scale range, 30° to 150° F. Packed each in a collapsible box, one dozen in a carton.

Price List in pocket on inside of front cover.

Pocket and Traveling Thermometers

No. 5636
(Open)

No. 5636
(Closed)

No. 5640

(Illustrations about two-thirds actual size)

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

No. 5636 *Tycos* Pocket and Traveling Thermometer . . . . . **Afiut**

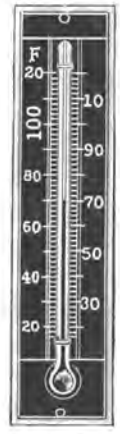
Mahogany-finish case with sliding front, 6-inch black-oxidized brass scale, white-filled figures and graduations, mercury-filled tube. Approximate scale range minus 30° to 120° F. and corresponding Centigrade scale.

No. 5640 *Tycos* Pocket and Traveling Thermometer . . . . . **Afjan**

Six-inch engraved, minimum self-registering thermometer in gilt-and-enamel screw-case, with chain; magnifying permacolor-filled tube. Approximate scale range minus 70° to 120° F.

Price List in pocket on inside of front cover.

Decorative Thermometers for Art Novelties



No. 5656

No. 5668

There is a large demand for thermometer scales for mounting in connection with a calendar on all sorts of advertising and art novelties.

Other designs and sizes than the two here listed can be furnished, but they are "special" and prices will be quoted on application.

Extra Grade

		CODE WORD				
		3-INCH	4-INCH	5-INCH	6-INCH	7-INCH
No. 5656	Metal Decorative Thermometer Scales	**Afloz**	**Afluv**	**Aflyn**	**Afmam**	**Afmed**

Bevel edge, black-oxidized heavy brass scales, white-filled figures and graduations, magnifying mercury-filled tubes. Made in 3-inch, 4-inch, 5-inch, 6-inch and 7-inch sizes. Packed loose in sawdust, 1 to 6 dozen in a box.

Ordinary Grade

No. 5668	Card Decorative Thermometer Scales	**Afmik**	**Afmof**

Cardboard scales (ten-ply board), red ragged-bevel edges, magnifying permacolor-filled tubes. Made in 4-inch and 7-inch sizes. Packed loose in sawdust, 3 to 6 dozen in a box.

Display Thermometers

No. 5684S *Tycos* Display Thermometer . . . . . CODE WORD **Afmur**

Heavy brass half-round cylinder, glass front, graduations on the tube and scale, black-oxidized brass scale, silver-deposited figures and graduations, large magnifying permacolor-filled tube. Size 30 inches by 3½ inches. Approximate scale range 40° to 60° F. below zero to 120° F. above.

No. 5688S Display Thermometer. . . . . CODE WORD

24 x 5 INCH	30 x 5½ INCH	36 x 6 INCH
Afmyf	**Afnag**	**Afnin**
42 x 6½ INCH	**48 x 7 INCH**	**60 x 8 INCH**
Afnok	**Afnuv**	**Afnyz**

Black-enamel-finish board, white figures and graduations or white-enamel-finish and black figures and graduations (which will, however, require about two weeks longer to deliver), hand-graduated scales, large magnifying permacolor-filled tubes, large figures, can be read at a distance. Made in the following sizes: 24 inches by 5 inches, 30 inches by 5½ inches, 36 inches by 6 inches, 42 inches by 6½ inches, 48 inches by 7 inches, 60 inches by 8 inches. Approximate scale range 40° to 60° F. below zero to 120° F. above. Customer's name will be imprinted on above thermometers if requested.

No. 5692S *Tycos* Display Thermometer CODE WORD **Afoaj**

Solid bronze "V" shape heavy case, glass front, black-oxidized brass scales, silver-deposited figures and graduations, large magnifying permacolor-filled tubes. Approximate scale range 40° to 60° F. below zero to 120° F. above. Scale 12 inches. Length overall 17 inches.

No. 5692AS *Tycos* Display Thermometer **Afobs**

Same as No. 5692S, except aluminum case.

No. 5684S
(About one-fifth actual size)

No. 5692S
(About one-fifth actual size)

No. 5688S
(About one-fifth actual size)

Price List in pocket on inside of front cover

DAIRY AND INCUBATOR THERMOMETER PART

Dairy, Incubator and Brooder Thermometers

Taylor Instrument Companies

Rochester, N. Y., U. S. A.

"Where *Tycos* Thermometers Come From"

Dairy Thermometers

No. 5700

No. 5701

No. 5705

No. 5715

(Illustrations about one-third actual size)

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

8-INCH — 10-INCH

No. 5700 *Tycos* All-Glass Floating Churn Thermometer . . . . . **Afock**

Glass cylinder, hand-written paper scale, 1° graduations, accurate within 1 division of the scale, mercury-filled tube, shot weighted, guaranteed to float upright, 10 inches long. Approximate scale range 10° to 110° F. Packed 1 dozen in a box.

No. 5701 *Tycos* All-Glass Floating Pasteurizing Thermometer . . . . . **Afodt**

Glass cylinder, hand-written paper scale, 2° graduations, accurate within 1 division of the scale, mercury-filled tube. Approximate scale range 30° to 220° F. 10 inches long. Packed 1 dozen in a box.

No. 5705 *Tycos* Flanged-Metal-Scale Churn and Pasteurizing Thermometer . . . . . **Afoex**

Ten-inch electro-silver-plated scale, gold-plated straps and screws, magnifying mercury-filled tube, sliding guard. Approximate scale range zero to 220° F. Packed 1 dozen in a box.

Ordinary Grade

8-INCH

No. 5715 All-Glass Floating Churn and Pasteurizing Thermometer . . . . . **Akwoy**

Approximate scale range 20° below zero to 150° F. above, Length eight inches. Mercury-filled.

9-INCH

No. 6108 Pasteurizing and Sterilizing Thermometer. . . . . **Afoxi**

Engraved, magnifying, permacolor-filled tube, range 100° to 220° F. in 2° divisions. Graduations start 4 inches from the bulb. Arrow at 170° indicates pasteurizing temperature of milk.

No. 6108
(Actual Size)

Price List in pocket on inside of front cover.

Dairy Thermometers—Continued

No. 5730

No. 5740

Taylor-Quality (Medium Grade)

		CODE WORD 8-INCH	10-INCH
No. 5730	*Taylor* Flanged Metal Dairy Thermometer.	**Afohm**	**Afoiv**

Black-oxidized brass scale, white-filled figures and graduations, sliding bulb guard, white back, mercury-filled tube. Made in 8-inch and 10-inch sizes. Approximate scale range 20° to 220° F. Packed 1 dozen in a box.

No. 5730S	*Taylor* Flanged Metal Dairy Thermometer	**Afoju**	**Afoka**

Same as No. 5730, except permacolor-filled tube.

Selected Ordinary Grade

No. 5740	Flanged Metal Dairy Thermometer.	**Afold**	**Afomp**

Nickeled-brass scale, nickeled figures and graduations, sliding guard, white back, mercury-filled tube. Approximate scale range 20° to 220° F. Made in 8- and 10-inch sizes. Packed each in a box, 1 dozen in a carton.

No. 5740S	Flanged Metal Dairy Thermometer.	**Afong**	**Aforc**

Same as No. 5740, except permacolor-filled tube.

Lactometers, or Milk Hydrometers

Thermo-Hydrometers

Tycos-Quality (Best Grade)

Each marked *Tycos*, our Registered Trade Mark

CODE WORD

†M No. 7164 *Tycos* Lactometer ..... **Afozy**

Spence New York State Dairy Commission Pattern for milk. Hand-written scale 0° to 120°, 2° graduation, temperature 60° F. Thirteen inches long. Mercury weighted. Thermometer and correction scale, with certificate, packed each in a box, ½ dozen in a carton.

†M No. 7168 *Tycos* Lactodensimeter ..... **Afpal**

Quevenne Pattern for milk. Hand-written scale, 14° to 42° (1.014 to 1.042 Sp. Gr.), 1° graduation, temperature 60° F. Thermometer in top of stem, with certificate. Thirteen inches long. Mercury weighted. Packed each in a box, ½ dozen in a carton.

†M No. 7168A *Tycos* Lactodensimeter ..... **Afper**

Same as No. 7168, except 9 inches long.

Taylor-Quality (Medium Grade)

M No. 7290 *Taylor* Lactometer ..... **Afrul**

Spence New York State Dairy Commission Pattern for milk. Scale 0° to 120°, 2° graduation, temperature 60° F., with correction scale. Thermometer in stem. Thirteen inches long. Mercury weighted. Packed each in a box, ½ dozen in a carton.

M No. 7292 *Taylor* Lactodensimeter ..... **Afsas**

Quevenne Pattern for milk. Scale 14° to 42° (1.014 to 1.042 Sp. Gr.), 1° graduation, temperature 60° F. Thermometer in top of stem. Thirteen inches long. Mercury weighted. Packed each in a box, ½ dozen in a carton.

M No. 7292A *Taylor* Lactodensimeter ..... **Afsek**

Same as No. 7292, except 9 inches long.

No. 7168

(About one-half actual size)

Price List in pocket on inside of front cover.

Lactometers, or Milk Hydrometers—Continued

Milk Hydrometers

Plain (Without Thermometers)

Tycos-Quality (Best Grade)

Each marked *Tycos*, our Registered Trade Mark

CODE WORD

†S No. 1537 *Tycos* Lactometer..... **Afpis**

Specific gravity hand-written scale, for milk, 24° to 37° (1.024 to 1.037), 1-10° graduations, temperature 60° F. Used by the Dairy Division U. S. Department of Agriculture. Eleven inches long. Shot weighted. Packed each in a box, ½ dozen in a carton.

†S No. 1542 *Tycos* Lactometer..... **Afpop**

Twaddle hand-written scale, for condensed milk, 5° to 18° 1-10° graduation, temperature 60° F. Fourteen inches long. Shot weighted. Packed each in a box, ½ dozen in a carton.

†S No. 1542A *Tycos* Lactometer..... **Afpun**

Same as No. 1542, except scale range 9° to 12°, 1-10° graduation.

†S No. 1542B *Tycos* Lactometer..... **Afraz**

Same as No. 1542, except scale range 12° to 16°, 1-10° graduation.

Taylor-Quality (Medium Grade)

S No. 7234 *Taylor* Lactometer..... **Afrep**

Milk per cent. scale. New York Board of Health Pattern, 0° to 120°, 2° graduations, temperature 60° F. Eleven inches long. Shot weighted. Packed each in a box, ½ dozen in a carton.

S No. 7236 *Taylor* Lactodensimeter..... **Afrim**

Quevenne Pattern, scale 14° to 42° (1.014 to 1.042 Sp. Gr.), 1° graduations, temperature 60° F. Eleven inches long. Shot weighted. Packed each in a box, ½ dozen in a carton.

S No. 7202 *Taylor* Hydrometer for Acid..... **Afros**

Specific gravity scale, 1.800 to 1.850, .001 graduations, temperature 60° F. Used in Babcock's milk test. Six inches long. Shot weighted. Packed each in a box, ½ dozen in a carton.

No. 1537 (About one-half actual size)

Incubator Thermometers

Success in operating an incubator depends more upon the accuracy of the thermometer and the proper control of temperature than upon any other feature. Thermometers are scientific instruments, and are accurate or inaccurate, reliable or unreliable, according to the intelligence and honesty of the manufacturer. The qualities which count most for accuracy and reliability are hidden to the eye, and the lack of these qualities is not apparent.

"Seasoning" the Tube

It is not a well-known fact, but nevertheless true, that glass shrinks with age, after extreme heating. This shrinkage is a factor of the most vital importance in the permanent accuracy of a thermometer.

After being filled with mercury *Tycos* Incubator Thermometers are laid away in a vault to "age" for a long period of time, that the shrinkage may take place before the tube is "pointed" and scaled.

This "shrinking" or "aging" process is expensive, but no expense is spared to make *Tycos* Thermometers as good as it is possible to make.

Thermometers which are not properly "aged" frequently show errors of more than two degrees.

Other Reasons for Accuracy

Tycos Thermometers are filled with only the purest of distilled mercury. Impure mercury will stick to the sides of the bore of the tube and so cause inaccurate readings. No "sticky" thermometer tube is ever branded *Tycos*.

Every particle of air is exhausted from the tube before it is sealed. Otherwise separation of the mercury column is likely to result, or the surface of the mercury to oxidize in time, causing it to cling to the sides of the bore of the tube.

With many thermometers the failure of the mercury to "draw back" is a common defect. If the thermometer is placed in a horizontal or semi-horizontal position the mercury will cling in the tube at the highest point and not "draw back" as the temperature falls. For example, the temperature rises to, say 106 degrees, and then drops to 103 degrees. The column clinging to the bore will not "draw back," but continues to show 106 degrees.

Tycos Incubator Thermometers are always furnished with mercury-filled tubes, which are guaranteed to "draw back" in any position from perpendicular to horizontal.

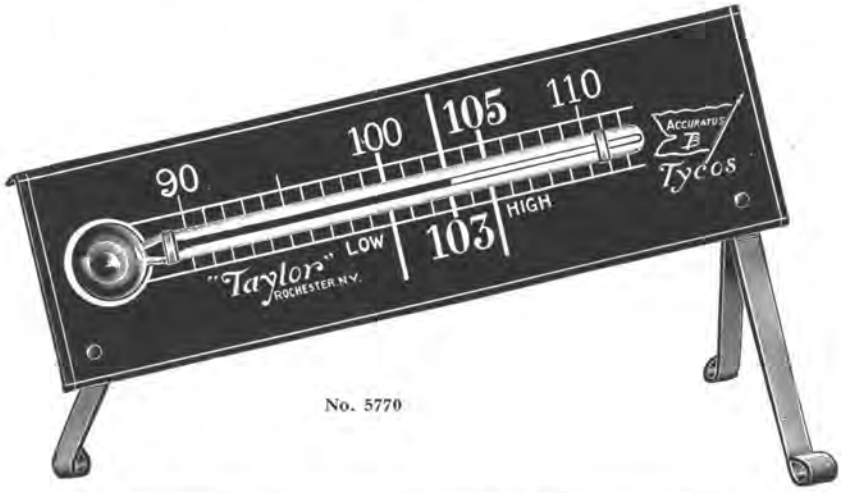
"Pointing" the Tube

Tycos tubes, after "shrinking," or "aging," are "pointed" at three points, and every metal scale divided to agree exactly with the "test points" of its individual tube. Many cheap and foreign-made thermometers have two points only.

Each tube has its own scale, and every division line upon that scale is cut separately. If a tube be broken after the metal scale is divided and finished, the scale is thrown away, as it is practically impossible to accurately fit a second tube to any scale, and *Tycos* quality does not admit of inaccuracies.

The finished *Tycos* Thermometer, before it goes on the market, is compared with standard instruments, under exact incubator conditions of temperature.

Incubator Thermometers—Continued



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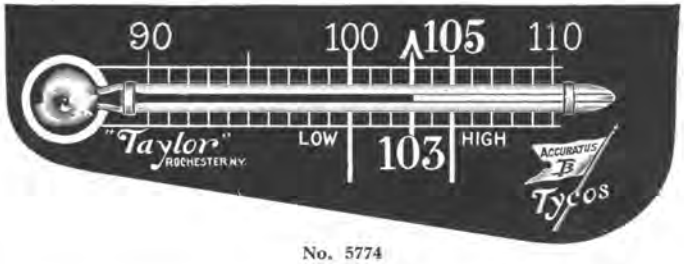
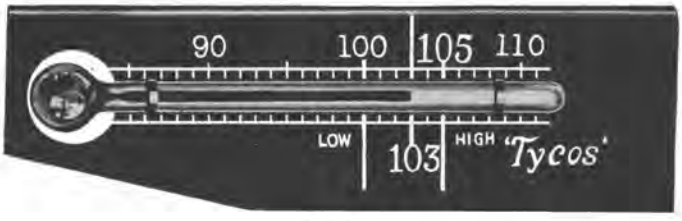


No. 5774



No. 5778

(Illustrations about seven-eighths actual size)

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark.

Approximate scale range, 90° to 110° F.

CODE WORD

No. 5770 *Tycos* Incubator Thermometer . . . . . **Afsgi**

Straight-pattern, with adjustable brass legs. Four-inch black-oxidized brass scale, white-filled figures and graduations, mercury-filled tube. Packed each in a box, 1 dozen in a carton.

No. 5774 *Tycos* Incubator Thermometer . . . . . **Afsir**

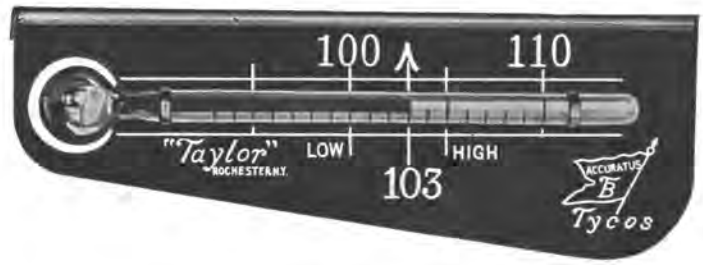
Angle pattern, flange on upper edge turned over to hook on wire or metal strip. Four-inch black-oxidized brass scale, white-filled figures and graduations, mercury-filled tube. Packed each in a box, 1 dozen in a carton.

No. 5778 *Tycos* Incubator Thermometer . . . . . **Afsma**

Straight pattern, flange on upper edge turned over to hook on wire or metal strip, lower edge trimmed off to pass between two eggs. Four-inch black-oxidized brass scale, white-filled figures and graduations, mercury-filled tube. Packed each in a box, 1 dozen in a carton.

Tycos Incubator Thermometers—Continued

No. 5780



No. 5782

(Illustrations about seven-eighths actual size)

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

Approximate scale range 90° to 110° F.

CODE WORD

No. 5780 *Tycos* Incubator Thermometer . . . . . **Afsnu**

Straight pattern, flange on both sides. Four-inch, black-oxidized brass scale, white-filled figures and graduations, mercury-filled tube. Packed each in a box, 1 dozen in a carton.

Certified Incubator Thermometer

No. 5782 *Tycos* Certified Incubator Thermometer . . . . . **Afspo**

Four-inch, black-oxidized brass scale, every fifth line and figures stamped on scale and white-filled, engraved mercury-filled tube. Packed each in a box, with certificate, 1 dozen in a carton.

Extra Wires

Extra wires designed for hanging Nos. 5774, 5778 or 5782 . . . . . **Afsum**

Brooder Thermometers

No. 5790
(About five-eighths actual size)

No. 5794
(Actual size)

No. 5792
(About five-eighths actual size)

Tycos-Quality (Best Grade)

CODE WORD

No. 5790 *Tycos* Brooder Thermometer . . . . . **Afsyp**

Eight-inch frame of selected wood, black-oxidized brass scale, white-filled figures and graduations, magnifying mercury-filled tube. Approximate scale range 60° to 140° F. Packed each in a box, 1 dozen in a carton.

Taylor-Quality (Medium Grade)

No. 5792 *Taylor* Brooder Thermometer . . . . . **Aftav**

Eight-inch round-wood frame, silvered-brass scale, black-filled figures and graduations, magnifying mercury-filled tube. Approximate scale range 60° to 140° F. Packed each in a box, 1 dozen in a carton.

Ordinary Grade

No. 5794 Brooder Thermometer . . . . . **Aftew**

Four and one-half inch silvered-brass scale, black-filled figures and graduations, plain, mercury-filled tube. Approximate scale range 10° to 100° F. Packed each in a box, 1 dozen in a carton.

Incubator Hygrometer

No. 5796

(About three-fourths actual size)

Millions of chicks die in the shell every year for want of proper moisture conditions. The importance of a correct percentage of moisture during incubation has made the *Tycos* Incubator Hygrometer as necessary as the *Tycos* Incubator Thermometer. Neither takes the place of the other, but together they give the practical poultry raiser all the facts required for successfully regulating the heat and moisture of an incubator.

The *Tycos* Incubator Hygrometer is not a regulator of moisture, but in conjunction with the *Tycos* Incubator Thermometer is an indicator of moisture present in the incubator, showing exactly what the conditions are, so that if not correct, they may be made so.

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

		CODE WORD
No. 5796	*Tycos* Incubator Hygrometer..... Stands 3¾ inches high and 4½ inches wide over-all, black-oxidized brass scale, white-filled figures and graduations, glass cistern, silk wick, complete directions with each instrument. Packed each in a box.	**Aftic**
	Extra silk wicks for No. 5796.....	**Aftje**

INDUSTRIAL THERMOMETER PART

Thermometers and Hydrometers

for

Brewers, Distillers, Refrigeration, Confectioners, Bakers, Japanning Ovens, Dry Kilns, Hop and Tobacco Curing, Fruit Evaporation, Maple Syrup, Meat Packers, Marine, Hot Beds, Photographers, Vulcanizing, Coal Oil, Railroad, Hot Water, Shower Baths, Milk, Pasteurizing, Electric Alarm, Sugar Factories, Asphalt Testing, Etc.

Taylor Instrument Companies

Rochester, N. Y., U. S. A.

"Where *Tycos* Thermometers Come From"

Brewers' and Distillers' Thermometers

No. 5836A
(About one-third actual size)

No. 5840A
(About two-fifths actual size)

Mash-Tub Thermometers

Taylor-Quality (Medium Grade)

(Bulb-Stem Measurement Includes Thread)

CODE WORD

No. 5836 *Taylor* Mash-Tub Thermometer ..... **Aftku**
Ten-inch nickel-plated iron case, 2½-inch bulb-stem with connecting-nut for steel tubs. Oxidized-brass scale, white-filled figures, magnifying mercury-filled tube, ¾-inch standard pipe-thread. Approximate scale range 0° to 220° F. and corresponding R. Packed each in a box.

No. 5836A *Taylor* Mash-Tub Thermometer ..... **Aftob**
Same as No. 5836, except 4-inch bulb-stem with connecting-nut for wood tubs.

No. 5840 *Taylor* Mash-Tub Thermometer ..... **Aftry**
Ten-inch nickel-plated brass case, bulb-stem 3½-inches including thread, with lock-nut for steel tubs. Oxidized-brass scale, white-filled figures, magnifying mercury-filled tube, ¾-inch pipe-thread. Approximate scale range 0° to 220° F. and corresponding R. Packed each in a box.

No. 5840A *Taylor* Mash-Tub Thermometer ..... **Aftux**
Same as No. 5840, except bulb-stem 3½-inches including thread, with lock-nut for wood tubs.

Extras for Above Numbers

SYMBOL

V Revolving cover for Nos. 5840 and 5840A ..... **Afuap**

H Other ranges than above to cover not less than 100° and not beyond 400° F., except minus 20° to 120° F. ..... **Amiwi**

NOTE—Fahrenheit scale only, in place of F. and R. scale, same price ..... **Afuco**

Price List in pocket on inside of front cover.

Brewers' and Distillers' Thermometers—Continued

No. 5844A
(About one-third actual size)

Mash-Pipe Thermometers
Taylor-Quality (Medium Grade)

CODE WORD

No. 5844 *Taylor* Mash-Pipe Thermometer . . . . . **Aftwi**
Ten-inch cylindrical-brass case, stem 3½-inches including thread, oxidized-brass scale, white-filled figures, magnifying mercury-filled tube, ¾-inch standard pipe-thread. Approximate scale range 0° to 220° F. and corresponding R. Packed each in a box.

No. 5844A *Taylor* Mash-Pipe Thermometer . . . . . **Aftxo**
Same as No. 5844, except with stem 4½-inches including thread.

Brine-Pipe Thermometers
Taylor-Quality (Medium Grade)

No. 5848 *Taylor* Brine-Pipe Thermometer . . . . . **Aftym**
Same as No. 5844 except with approximate scale range minus 20° to 120° F. and corresponding R. Packed each in a box.

No. 5848A *Taylor* Brine-Pipe Thermometer . . . . . **Aftza**
Same as No. 5848, except with stem 4½-inch including thread.

Extras for Above Numbers

SYMBOL

V Revolving covers for above cases . . . . . **Afuap**

H Other ranges than above, to cover not less than 100° and not beyond 400° F. . . . . **Amiwi**

NOTE—Fahrenheit scale only, in place of F. and R. scale, same price . . . . . **Afuco**

(*Pages 148 and 149 for Wine, Liquor and Brewers' Test Sets*).

Price List in pocket on inside of front cover.

Refrigeration Thermometers

No. 5880
(About one-third actual size)

Brine-Pipe Thermometers

Taylor-Quality (Medium Grade)

(Bulb-stem measurements include thread)
(¾-inch standard pipe-thread)

Straight Stem

No. 5888
(About one-third actual size)

CODE WORD

†**No. 5880** *Taylor* Brine-Pipe Thermometer ..... **Afuga**
Seven-inch V-shape iron case, 3½-inch bulb-stem, black-oxidized brass scales, white-filled figures, heavy magnifying mercury-filled tube. Approximate scale range minus 20° to 120° F. Packed each in a box.

†**No. 5882** *Taylor* Brine-Pipe Thermometer ..... **Afuhi**
Same as No. 5880, except 9-inch case.

†**No. 5884** *Taylor* Brine-Pipe Thermometer ..... **Afulv**
Same as No. 5880, except bronze case.

†**No. 5886** *Taylor* Brine-Pipe Thermometer ..... **Afumz**
Same as No. 5880, except 9-inch bronze case.

Angle Stem

†**No. 5888** *Taylor* Brine-Pipe Thermometer ..... **Afunc**
Seven-inch V-shape iron case, 3½-inch bulb-stem, black-oxidized brass scales, white-filled figures, heavy magnifying mercury-filled tube. Approximate scale range minus 20° to 120° F. Packed each in a box.

†**No. 5890** *Taylor* Brine-Pipe Thermometer ..... **Afuox**
Same as No. 5888, except 9-inch case.

†**No. 5892** *Taylor* Brine-Pipe Thermometer ..... **Afups**
Same as No. 5888, except bronze case.

†**No. 5894** *Taylor* Brine-Pipe Thermometer ..... **Afurb**
Same as No. 5888, except 9-inch bronze case.

Extras for Above Numbers

SYMBOL

†U Union connection, ¾-inch standard pipe-thread ..... **Afush**

†B Bronze front with glass, fitted to thermometers when specified ..... **Afutt**

†H Other ranges than above, to cover not less than 100° and not beyond 400° F., except 0° to 220° F. ..... **Amiwi**

†For greater length of stems up to 6 inches ..... **Afuxy**
For stems of greater length than 6 inches apply for price.

†One-half-inch standard pipe-thread instead of ¾-inch, no extra charge .... **Afuyg**

Price List in pocket on inside of front cover.

Refrigeration Thermometers—Continued

No. 1103 or No. 1104
(About one-third actual size)

Auto-Circulation Thermometers

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

†No. 1103 *Tycos* Auto-Circulation Thermometer . . . . . **Afymi**

V-shaped, nickel-plated heavy iron case, 9-inch black-oxidized brass scale, silver-deposited figures, magnifying mercury-filled tube. Approximate scale range minus 20° to 120° F. in 2° graduations. Packed each in a box.

†No. 1103S *Tycos* Auto-Circulation Thermometer . . . . . **Afybt**

Same as No. 1103, except permacolor-filled tube.

†No. 1104 *Tycos* Auto-Circulation Thermometer . . . . . **Afyoc**

Same as No. 1103, except with bronze case.

†No. 1104S *Tycos* Auto-Circulation Thermometer . . . . . **Afych**

Same as No. 1104, except with permacolor-filled tube.

Refrigeration Thermometers—Continued

No. 1107

(About one-fourth actual size)

No. 5403S

(About one-fourth actual size)

No. 1108

(About one-fourth actual size)

Cold Storage Room Thermometers

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

†No. 1107 *Tycos* Galvanized-Iron Case Thermometer. . . . . **Afvyt**

Twelve-inch galvanized-iron case, oxidized-brass scale, large silver-deposited figures, large magnifying, seasoned permacolor-filled tube. Approximate scale range 0° to 70° F., 1° graduations. Packed each in a box.

†No. 1108 *Tycos* Galvanized-Iron Case Thermometer . . . . . **Afway**

Same as No. 1107, except with approximate scale range minus 20° to 120° F., 2° graduations.

†No. 1111 *Tycos* Galvanized-Iron Case Thermometer . . . . . **Afwha**

Same as No. 1107, except with approximate scale range minus 20° to 70° F., 1° graduations.

No. 5403S *Tycos* Japanned Tin-Case Thermometer. . . . . **Afwil**

Twelve-inch black-japanned, heavy tin case, silvered-brass scale, magnifying permacolor-filled tube. Approximate scale range minus 20° to 70° F., 1° graduation.

No. 5403PS *Tycos* Copper-Case Thermometer . . . . . **Afwot**

Same as No. 5403S, except copper case.

Refrigeration Thermometers—Continued

No. 1115

No. 1117

No. 5899

(Illustrations about one-third actual size)

Shiphold Thermometers

CODE WORD

†No. 1115S *Tycos* Shiphold Thermometer . . . . . **Afxel**

Fourteen-inch by 1¼-inch galvanized-iron case, oxidized-brass scale, silver-deposited figures, magnifying permacolor-filled tube. Approximate scale range minus 20° to 120° F., in 2° graduations. Packed each in a box.

No. 5899 *Taylor* Shiphold Thermometer . . . . . **Afygs**

Eleven-inch turned-wood back, rounded at top with hole for string, tube and bulb well protected, graduated from minus 20° to 100° F. Made with permacolor-filled tube only.

No. 5899C *Taylor* Shiphold Thermometer . . . . . **Afyko**

Same as No. 5899, except Centigrade scale.

Fruit-Car Thermometers

†No. 1117S *Tycos* Fruit-Car Thermometer . . . . . **Afyaw**

Twelve-inch cylindrical-brass case, oxidized-brass scale, silver-deposited figures. Approximate scale range minus 20° to 120° F. in 2° graduations, magnifying permacolor-filled tube. Packed each in a box.

Fruit-Testing Thermometers

†No. 1120 *Tycos* Fruit-Testing Thermometer . . . . . **Afyev**

Same as illustrated and described under Meat Packers' Thermometer (*page 101*).

†No. 1120A Extra Tubes for No. 1120 . . . . . **Agges**

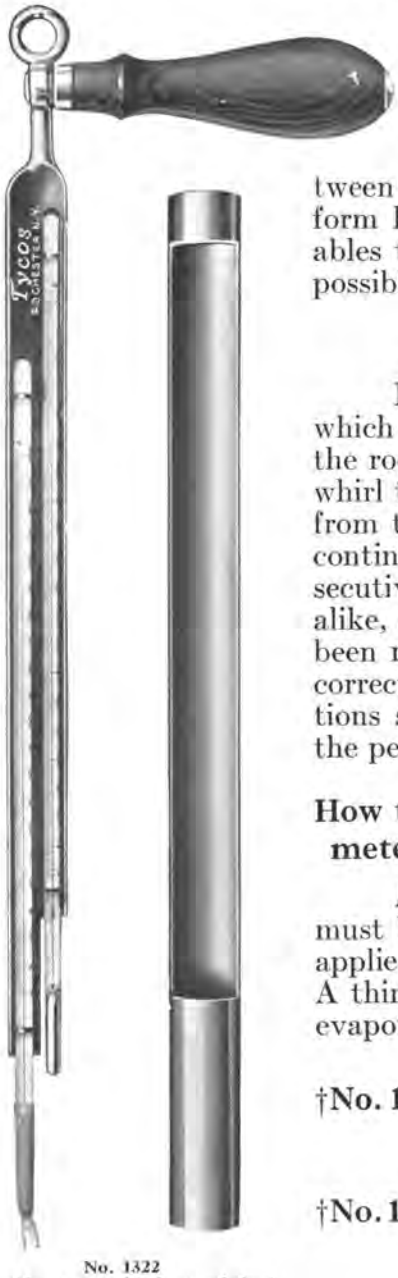
†No. Z3770 *Tycos* Fruit-Testing Thermometer . . . . . **Apgly**

In brass armor with sharp pointed end, with guard case and chain Approximate scale range minus 40° to +110° F. in 2° divisions. 7 inches long.

†No. Z3770A *Tycos* Extra Engraved Thermometer for No. Z3770 . . . . . **Apgom**

Refrigeration Thermometers—Continued

"Sling" Psychrometer



No. 1322
(About one-third actual size)

The Sling Psychrometer was designed for obtaining quick and more accurate results than are possible with the stationary wet and dry bulb instruments. We have improved upon the original design by doing away with the link connection between the thermometer back and the handle. Our improved form lessens the liability of breakage in swinging and enables the user to obtain the readings more quickly than is possible on the less rigid, link-handle form.

Directions for Use

Dip the wicking-covered bulb into a cup of water—which for quick reading should be as near the temperature of the room as possible—until thoroughly saturated, and then whirl the instrument 15 or 20 seconds, holding it well away from the body. Stop and note the wet bulb temperature continue the operation, whirling and reading, until two consecutive readings of the wet bulb thermometer are obtained alike, or nearly so, when the lowest temperature will have been reached. Unless the wicking is thoroughly saturated correct readings will not be obtained. Tables and full directions supplied with each instrument, for use in determining the per cent. of relative humidity.

How to Determine Humidity with the Sling Psychrometer, for Temperatures Below the Freezing Point

At temperatures below 32° the Wet Bulb Thermometer must be treated in the following manner: Water must be applied sparingly to the bare bulb with a camel's hair brush. A thin coating of ice will then be formed on the bulb and evaporation from the frozen surfaces will go on as before.

CODE WORD

†**No. 1322** *Tycos* Sling Psychrometer . . . . . **Afies**
Scale range 0° to 100° F., graduated in ½° divisions, with copper protecting-case 16¾ inches long, 12-inch engraved tubes, Packed each in a box.

†**No. 1322A** Extra Engraved Thermometers for No. 1322 . . . . . **Aklyv**

Pocket Sling Psychrometer

†**No. 1323** *Tycos* Pocket Sling Psychrometer . . . . . **Afifi**
Seven inches long, with chain sling. Five-inch engraved thermometer graduated 0° to 100° F. in 1° divisions, complete with leather carrying-case. Packed each in a box.

†**No. 1323A** Extra Engraved Thermometers for No. 1323 . . . . . **Afilm**

Price List in pocket on inside of front cover.

Refrigeration Hydrometers

S No. 1654
About one-half actual size)
(Patent No. 964628
July 19, 1910)

Tycos-Quality (Best Grade)

Each bearing *Tycos*, our Registered Trade Mark

		CODE WORD
†S No. 1510	*Tycos* Ammonia Hydrometer. . . . . Baumé scale, 10° to 45°, 1° graduation. Temperature 60° F., approximate length over-all 11 inches. Shot weighted. Packed each in a box, ½ dozen in a carton.	Afyrd
†S No. 1524	*Tycos* Calcium Chloride Salometer. 0° to 120°, 1° graduation. Temperature 60° F., approximate length over-all 11 inches. Shot weighted. Packed each in a box, ½ dozen in a carton.	Afyse
†S No. 1654	*Tycos* Calciometer. . . . . Special scale, 1° to 28°, 1° graduation. Temperature 60° F., approximate length over-all 11 inches. Shot weighted. Packed each in a box, ½ dozen in a carton.	Afyup
†S No. 1548	*Tycos* Salt Salometer . . . . . 0° to 100°, 1° graduation. Temperature 60° F., approximate length over-all 11 inches. Shot weighted. Packed each in a box, ½ dozen in a carton.	Afyvu
†S No. 1550	*Tycos* Salt Salometer. . . . . 40° to 70°, ½° graduation. Temperature 60° F., approximate length over-all 11 inches. Shot weighted. Packed each in a box, ½ dozen in a carton.	Afyxa
†S No. 1550A	*Tycos* Salt Salometer. . . . . 70° to 100°, ½° graduation. Temperature 60° F., approximate length over-all 11 inches. Shot weighted. Packed each in a box, ½ dozen in a carton.	Afzax

NOTE—S No. 1654, the Calciometer shown in the illustration is an improved Calcium Hydrometer, whereby direct comparative readings are obtained of the percentage of calcium chloride in solution, and upon the reverse side of the scale the freezing point of the solution.

Special circular descriptive of the Calciometer will be sent on request.

Confectioners' Thermometers

No. 5900

No. 5904

Tycos Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

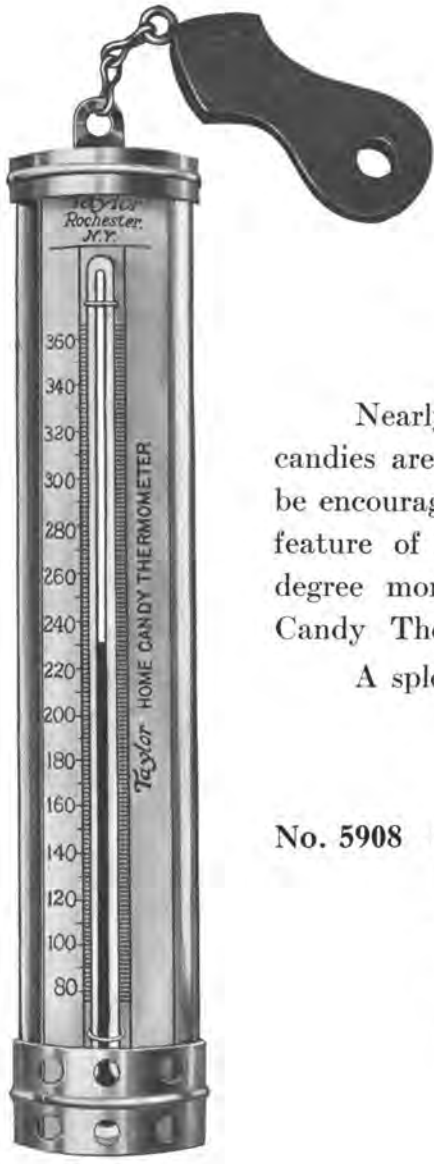
		CODE WORD			
		12-INCH	14-INCH	16-INCH	18-INCH
No. 5900	*Tycos* Confectioners' Thermometer	**Afzem**	**Afzij**	**Afzog**	**Afzyl**
	Extra-heavy copper case, oxidized-brass scale, silver-deposited figures, magnifying mercury-filled tube. Approximate scale range, 50° to 350° or 400° F. Made in 12-, 14-, 16- and 18-inch sizes. Packed each in a box.				
No. 5904	*Tycos* Confectioners' Thermometer	**Agaba**	**Agaci**	**Agaft**	**Agahu**
	Medium-weight copper case, silvered-brass scale, black-filled figures, magnifying mercury-filled tube. Approximate scale range, 50° to 350° or 400° F. Made in 12-, 14-, 16- and 18-inch sizes. Packed each in a box.				

Extra Scales

No. 5900A	Extra Heavy, Scales Only for No. 5900 . .	**Agake**	**Akoyx**	**Akoze**	**Akpel**
No. 5904A	Medium-Weight, Scales Only for No. 5904	**Agalp**	**Akrar**	**Akriz**	**Akrod**

Price List in pocket on inside of front cover.

Confectioners' Thermometers—Continued



No. 5908

(About five-eighths actual size)

Taylor Home Candy-Maker's Thermometer

Nearly every home has its candy maker. Home-made candies are healthful, economical, and enjoyable, and should be encouraged among the young people. The most important feature of candy making is the boiling of the syrup, one degree more or less making or spoiling all. With a Taylor Candy Thermometer good candy can be made every time.

A splendid thermometer to feature in a window display.

Taylor Quality (Medium Grade)

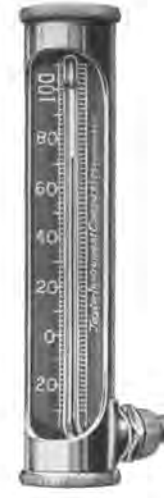
CODE WORD

No. 5908 Taylor Home Candy-Maker's Thermometer.. **Aganx**

Eight-inch silvered-brass scale, copper case with adjustable metal clip on the back for fastening to any depth cooking vessel; wood handle for hanging when not in use and for removing thermometer from cooking vessel without danger of burning fingers on metal parts. Approximate scale range 100° to 360° F. Packed each in a box with a book of candy recipes, ½ dozen in a carton.

Confectioners' Thermometers—Continued

No. 5918
(About one-half actual size)



No. 5920
(About one-half actual size)

Brine Pipe Thermometers for Ice Cream Machines

Taylor-Quality (Medium Grade)

CODE WORD

No. 5918 *Taylor* Brine-Pipe Thermometer . . . . . **Agarv**
Five-inch cylindrical, nickel-plated brass case, nickeled-brass scale. Approximate scale range minus 20° to 100° F. 1½-inch straight stem (including thread) ⅜-inch standard pipe thread.

No. 5920 *Taylor* Brine-Pipe Thermometer . . . . . **Agaso**
Same as No. 5918, except angle stem.

Syrup Hydrometers

Tycos-Quality

†S No. 1566 *Tycos* Syrup Hydrometer . . . . . **Agaty**
Balling scale, 0° to 70°, 1° graduation, 11 inches long. Temperature 60° F., shot-weighted. Each in a box, ½ dozen in a carton.

†S No. 1586 *Tycos* Syrup Hydrometer . . . . . **Agaub**
Baumé scale, 0° to 50°, 1° graduation, 11 inches long. Temperature 60° F., shot-weighted. Each in a box, ½ dozen in a carton.

Taylor-Quality (Medium Grade)

S No. 7262 *Taylor* Syrup Hydrometer . . . . . **Agaws**
Balling scale, 0° to 70°, 1° graduations, 11 inches long. Temperature 60° F., shot-weighted. Each in a box, ½ dozen in carton.

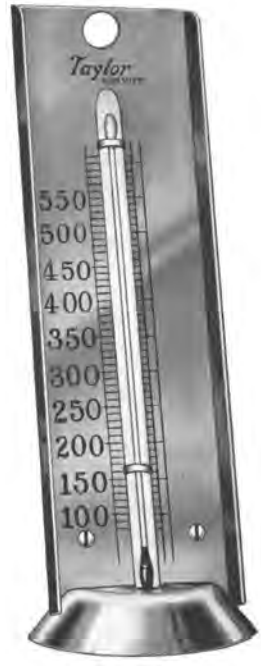
S No. 7266 *Taylor* Syrup Hydrometer . . . . . **Agayf**
Baumé scale, 0° to 50°, 1° graduations, 11 inches long. Temperature 60° F., shot-weighted. Each in a box, ½ dozen in carton.

Ordinary Grade

S No. 7380 Syrup Hydrometer . . . . . **Agbay**
Baumé scale, 0° to 50°, 1° graduation, 11 inches long. Temperature 60° F., shot-weighted. Each in a box, ½ dozen in carton.

Bakers' Thermometers

No. 5928
(About two-thirds actual size)



No. 5932
(About one-half actual size)

Home Bake-Oven Thermometer

Taylor-Quality (Medium Grade)

CODE WORD

No. 5928 *Taylor* Home Bake-Oven Thermometer..... **Agbil**

Five-inch flanged-metal scale and removable round disc metal base with asbestos mat attached, sand-blast finish, white-filled figures. Scale range approximately 100° to 600° F.

Specially designed for home use, with book of recipes, prepared by a professor of domestic science, giving correct temperatures for cooking and baking.

Packed each in a handsome lithographed box; six in an easel-back counter display package.

Fireless-Cooker Thermometer

No. 5932 *Taylor* Fireless-Cooker Thermometer..... **Agble**

Six-inch flanged nickel-plated scale and base. Magnifying mercury-filled tube. Scale range approximately 100° to 600°. Packed each in a box.

Dough-Testing Thermometer

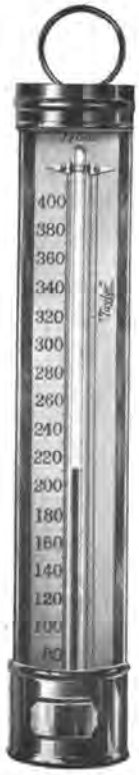
No. 5934 *Taylor* Dough-Testing Thermometer..... **Agbot**

Seven-inch, nickel-plated iron case, 11-inch steel stem, silvered-metal scale with black-filled figures and graduations Scale range approximately 30° to 120° F. Packed each in a box.

No. 5934
(About one-half actual size)

Price List in pocket on inside of front cover.

Japanning-Oven, Dry-Kiln and Fruit-Evaporator Thermometers



No. 5402—10-inch
(About one-third actual size)

No. 5942—10-inch
(About one-third actual size)

No. 5944
(About three-eighths actual size)

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

		CODE WORD 8-INCH	10-INCH	12-INCH
No. 5402	***Tycos*** Thermometer. Black-japanned tin case, silvered heavy-brass scale, black-filled figures and graduations, magnifying mercury-filled tube. Approximate scale range 50° to 350° F. Made in 10-and 12-inch sizes, packed each in a box, ½ dozen in a carton.		Adyax	Adycs
No. 5402P	***Tycos*** Thermometer. Same as No. 5402, except copper case.		Adyda	Adyem
No. 5942	***Tycos*** Flanged Scale Thermometer. Silvered heavy-brass scale, black-filled figures and graduations, magnifying mercury-filled tube. Approximate scale range 50° to 400° F. Packed each in a box, ½ dozen in a carton.			Ageec

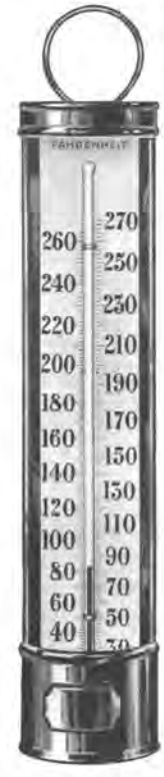
Taylor-Quality (Medium Grade)

No. 5944	***Taylor*** Flanged Scale Thermometer. Oxidized finish, white-filled figures, magnifying mercury-filled tube, scale range 50° to 350° F. Made in 8-inch size only. Packed each in a box, 1 dozen in a carton.	Agefa		

Price List in pocket on inside of front cover.

Hop and Tobacco-Curing Thermometers

No. 5946P
(About one-third actual size)



No. 5948
(About one-third actual size)

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

No. 5946P *Tycos* Hop and Tobacco-Curing Thermometer . . . . . **Agego**

Twelve-inch copper case, silvered-brass scale, large easy-reading black-filled figures, magnifying permacolor-filled tube. Approximate scale range, 30° to 270° F. Packed each in a box, ½ dozen in a carton.

Selected Ordinary Grade

No. 5947 Hop and Tobacco-Curing Thermometer . . . . . **Ageig**

Ten-inch coppered case, silvered-brass scale, large easy-reading black-filled figures, magnifying permacolor-filled tube. Approximate scale range, 30° to 270° F. Packed each in a box, ½ dozen in a carton.

Ordinary Grade

No. 5948 Hop and Tobacco-Curing Thermometer . . . . . **Agels**

Ten-inch black-japanned tin case, lithographed-tin scale, large easy-reading figures, magnifying permacolor-filled tube. Approximate scale range, 30° to 270° F. Packed each in a box, ½ dozen in a carton.

Maple Syrup Thermometers and Hydrometers

No. 5950
(About one-fourth actual size)

No. 7268
(About four-ninths actual size)

No. 5952
(About one-third actual size)

Maple Syrup Thermometers

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

No. 5950 *Tycos* Maple-Syrup Thermometer . . . . . **Agenv**
Sixteen-inch heavy-wood case, with handle, silvered-metal scale, black-filled figures, marked "Syrup 11 lbs. net" and "Sugar 80 test." Approximate scale range 60° to 270° F. Packed ½ dozen in a box.

Taylor-Quality (Medium Grade)

No. 5952 *Taylor* Maple-Syrup Thermometer . . . . . **Agerf**
Twelve-inch wood case, with handle, silvered-metal scale, black-filled figures, marked "Syrup 11 lbs. net" and "Sugar 80 test." Approximate scale range 60° to 270° F. Packed ½ dozen in a box.

No. 5953 *Taylor* Maple-Syrup Thermometer . . . . . **Ageuj**
Same as No. 5952, except with Canadian specifications.

Maple Syrup Hydrometers

Taylor-Quality (Medium Grade)

S No. 7268 *Taylor* Maple-Syrup Hydrometer . . . . . **Agevt**
Baumé scale 0° to 50°, 1° graduation, temperature 60° F., nine inches long, shot-weighted, marked at 32° for hot syrup and at 36° for cold syrup, "Syrup 11 lbs. to the gallon net." Each in a box, ½ dozen in carton.

S No. 7268A *Taylor* Maple-Syrup Hydrometer . . . . . **Agexu**
Same as No. 7268, except 25° to 40°, in ½° graduations and 8 inches long. Each in a box, ½ dozen in carton.

Price List in pocket on inside of front cover.

Meat Packers' Thermometers

No. 1120
(Actual proportions)

No. 1140
(About four-fifths actual size)

No. 1141
(About four-fifths actual size)

Meat-Testing Thermometers

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

		CODE WORD
†**No. 1120**	*Tycos* Meat-Testing Thermometer. . . . . Eleven-inch nickel-plated brass case, skewer-shape sharp-pointed steel stem. Approximate scale range 20° to 120° F. 1° divisions.	**Afyev**
†**No. 1120A**	*Tycos* Extra Engraved Thermometer for No. 1120	**Agges**
†**No. 1121**	*Tycos* Meat-Testing Thermometer. . . . . Same as No. 1120, except with approximate scale range 100° to 220° F.	**Apgri**
†**No. 1121A**	*Tycos* Extra Engraved Thermometer for No. 1121	**Apgug**
†**No. 1140**	*Tycos* Meat-Testing Thermometer. . . . . Mercury-filled engraved stem thermometer, in 5-inch hard-rubber case. Approximate scale range 0° to 120° F. 2° divisions.	**Aggfi**
†**No. 1141**	*Tycos* Meat-Testing Thermometer. . . . . Same as No. 1140, except aluminum case with chain and pin.	**Aggip**

Meat-Packers' Thermometers—Continued

No. 5954
(About one-fourth actual size)

No. 5956
(About one-fourth actual size)

Ham-Boiling Thermometers

Tycos-Quality (Best Grade)

Each stamped *Tycos* our Registered Trade Mark

CODE WORD

No. 5954 *Tycos* Ham-Boiling Thermometer . . . . . **Ageyd**

Sixteen-inch "Strop" wood case with handle, silvered-brass scale, black-filled figures, magnifying mercury-filled sunk tube. Approximate scale range 0° to 260° F. Packed each in a box, ½ dozen in a carton.

No. 5954 F. & R. *Tycos* Ham-Boiling Thermometer . . . . . **Agdop**

Same as No. 5954, except Fahrenheit and Reaumur scales.

No. 5956 *Tycos* Ham-Boiling Thermometer . . . . . **Agfoy**

Eighteen-inch "V" wood case, with handle, silvered-brass scale, black-filled figures. Magnifying mercury-filled tube. Approximate scale range 0° to 220° F. Packed each in a box, ½ dozen in a carton.

No. 5956 F. & R. *Tycos* Ham-Boiling Thermometer . . . . . **Agdun**

Same as No. 5956, except Fahrenheit and Reaumur scales.

Meat-Packers' Hydrometers

†S No. 1534
(About one-third actual size)

†S No. 1548
(About one-third actual size)

Tycos-Quality (Best Grade)

Each bearing *Tycos*, our Registered Trade Mark

		CODE WORD
†S No. 1534	*Tycos* Glue Hydrometer. Baumé Scale, 0° to 35°, ½° graduation, temperature 150° F. 11 inches long. Shot-weighted. Each in a box, ½ dozen in carton.	Aggmy
†S No. 1548	*Tycos* Salt Salometer. 0° to 100°, 1° graduation, temperature 60° F. 11 inches long. Shot-weighted. Each in a box, ½ dozen in carton.	Aggna
†S No. 1550	*Tycos* Salt Salometer. 40° to 70°, ½° graduation, temperature 60° F. 11 inches long. Shot-weighted. Each in a box, ½ dozen in carton.	Aggon
†S No. 1550A	*Tycos* Salt Salometer. 70° to 100°, ½° graduation, temperature 60° F. 11 inches long. Shot-weighted. Each in a box, ½ dozen in carton.	Aggpe
†S No. 1588	*Tycos* Tank-Water Hydrometer. Baumé Scale, 0° to 20°, ½° graduation, temperature 150° F. 11 inches long. Shot-weighted. Each in a box, ½ dozen in carton.	Aggro
†S No. 1565	*Tycos* Tank-Water Hydrometer. Baumé Scale, 20° to 40°, ½° graduation, temperature 150° F. 11 inches long. Shot-weighted. Each in a box, ½ dozen in carton.	Aggut

Taylor-Quality (Medium Grade)

S No. 7244	*Taylor* Salt Salometer. 0° to 100°, 1° graduation. 11 inches long. Temperature 60° F. Shot-weighted. Each in a box, ½ dozen in carton.	Aggyc

Ordinary Grade

S No. 7372	Salt Salometer. 0° to 100°, 1° graduation. 11 inches long. Temperature 60° F. Shot-weighted. Each in a box, ½ dozen in carton.	Aghax

Marine Thermometers

No. 5966—12-inch
(About one-third actual size)

No. 5970
(About one-third actual size)

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD — 10-INCH — 12-INCH

No. 5966 *Tycos* Marine Thermometer, "Air" Temperature..... **Aghem** **Aghij**

Copper case with closed water-tight bottom, heavy silvered-brass scale, black figures, approximate scale range 20° to 40° below zero to 120° F. above, brass screws and tube-clasps, magnifying mercury-filled tube, made in 10- and 12-inch sizes. Packed each in a box, ½ dozen in a carton.

No. 5967 *Tycos* Marine Thermometer, "Water Boil" Temperature **Aghog** **Aghyl**

Same as No. 5966, except approximate scale range, 0° to 220° F.

Taylor-Quality (Medium Grade)

CODE WORD

No. 5970 *Taylor* Marine Thermometer..... **Agiap**

Eight and one-half inches long, silvered-brass scale, with hook on back, approximate scale range 130° to 230° F., black figures, mercury-filled tube, cylinder bulb. Packed each in a box, ½ dozen in a carton.

Price List in pocket on inside of front cover.

Marine Salinometers and Salinometer Pots

No. 7242
(About one-third actual size)

No. 7458
(About one-third actual size)

Glass Salinometers

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

†No. 1546 *Tycos* Salinometer . . . . . **Agico**

Special scale for sea water, 0° to $3\frac{5}{2}$°, ¼° graduation. Temperature 190°, 200° and 210° F. Approximate length 11 inches, shot-weighted. Packed each in a box, ½ dozen in carton.

Taylor-Quality (Medium Grade)

S No. 7242 *Taylor* Salinometer . . . . . **Agiej**

Special scale for sea water, 0° to $3\frac{5}{2}$°, ¼° graduation. Temperature 190°, 200° and 210° F. Approximate length 11 inches, shot-weighted. Packed each in a box, ½ dozen in carton.

Salinometer Pot

No. 7458 *Tycos* Salinometer Pot . . . . . **Agiga**

Made of heavy planished copper, 14 inches long, with wood handle.

Price List in pocket on inside of front cover.

Soil (Hot Bed) Thermometer

No. 5981
(About one-third actual size)

Soil (Hot Bed) Thermometer

Tycos - Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

No. 5981 *Tycos* Soil (Hot Bed) Thermometer . . . . . **Agihi**

Sixteen-inch mahogany frame, oxidized-brass scale, magnifying mercury-filled tube, mercury-filled chamber giving good contact. Approximate scale range 30° to 180° F. Strong metal end, pointed.

Price List in pocket on inside of front cover.

Photographers' Thermometers and Actinometer

No. 5990
(About three-fourths actual size)

No. 5992
(Actual size)

No. 5993
(About four-fifths actual size)

Developing and Toning Bath Thermometers

Approximate scale range, 30° to 120° F.

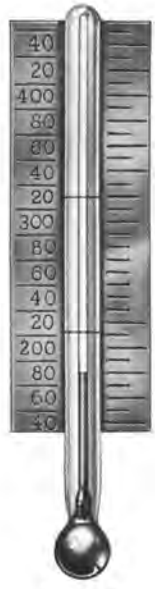
		CODE WORD
No. 5990	Developing and Toning Bath Thermometer. . . . . Four-inch engraved mercury tubes, with brass cap to fasten to tray, in hard-rubber case.	**Agilv**
No. 5990D	Developing and Toning Bath Thermometer. . . . . Four-inch engraved mercury tube in nickel case with chain and pin.	**Agimz**
No. 5992	Developing and Toning Bath Thermometer. . . . . Four-inch oxidized-brass scale, mercury tubes, with spring clamp to fasten to tray.	**Aginc**
No. 5993	Developing and Toning Bath Thermometer. . . . . Five-inch silvered-brass scale, mercury tubes, with hook for hanging to tank.	**Agiox**

Actinometer, or Photographers' Hydrometer

Taylor-Quality (Medium Grade)

M No. 7204	*Taylor* Actinometer. . . . . Special scale, 0° to 80°, 1° graduation, approximate length 5 inches, temperature 60° F. Mercury weighted. Packed each in a wood box, with test jar.	**Agips**

Vulcanizing Thermometers



No. 6000
Actual size)

No. 6003
(Actual size)

Dental Vulcanizing Thermometer

CODE WORD

No. 6000 Dental-Vulcanizing Thermometer..... **Agirb**

Metal scale, three-inch mercury-filled tube, with lines etched at 212° and 320° F., rubber washers for packing included.

Rubber Vulcanizing Thermometers

No. 6002 Rubber-Vulcanizing Thermometer..... **Agish**

Three and five-eighths-inch nickel-plated brass, armor case, engraved mercury-filled tube, approximate scale range 250° to 350° F.

No. 6003 Rubber-Vulcanizing Thermometer..... **Agitt**

Two and five-eighths-inch nickel-plated brass, armor case, etched lines only at 250°, 275°, and 300° F.

Price List in pocket on inside of front cover.

Coal Oil Thermometers

No. 1797
(About one-fourth actual size)

No. 1794
(About two-fifths actual size)

No. 1796
(About one-third actual size)

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

†No. 1797 *Tycos* Coal Oil Thermometer . . . . . **Agiud**

Twelve-inch heavy round copper-case, metal scale, black figures, mercury tubes. Approximate scale range, 0° to 220° F.

Taylor-Quality (Medium Grade)

†No. 1794 *Taylor* Coal Oil Thermometer . . . . . **Agive**

Ten-inch flange metal cup-case, black figures, mercury tube. Approximate scale range, 0° to 260° F.

†No. 1795 *Taylor* Coal Oil Thermometer . . . . . **Agixy**

Same as No. 1794, except approximate scale range 20° to 400°F.

†No. 1796 *Taylor* Coal Oil Thermometer . . . . . **Akyja**

Twelve-inch "V" wood case with brass cup, silvered-brass scales, black-filled figures, permacolor-filled tubes. Approximate scale range 0° to 160° F.

NOTE—For a full line of Coal Oil Thermometers and other instruments, write for Catalog Part 1700.

Railroad Thermometers

No. 6030S
(About one-half actual size)

Tycos Coach Thermometers

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

No. 6031
(About one-half actual size)

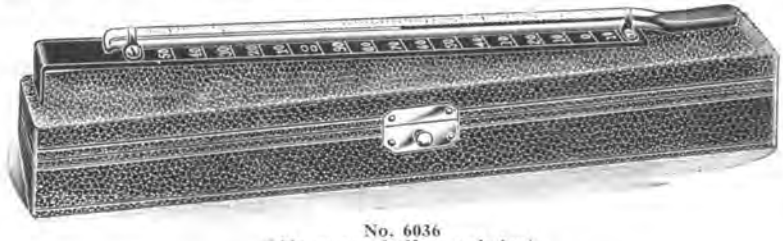
CODE WORD

No. 6030S *Tycos* Coach Thermometer . . . . . **Agjam**
Oxidized-brass scale, white-filled figures, permacolor-filled tube mounted from back. 8-inch size only. Approximate scale range, 0° to 120° F. Packed each in a box, ½ dozen in a carton.

No. 6031 *Tycos* Coach Thermometer . . . . . **Agjed**
Oak or cherry back, oxidized-brass scale, white-filled figures, sunk mercury-filled tube, 8-inch size only. Approximate scale range, 0° to 120° F. Packed each in a box, ½ dozen in a carton.

No. 6031S *Tycos* Coach Thermometer . . . . . **Afovo**
Same as No. 6031, except permacolor-filled tube.

Extra for solid mahogany back . . . . . **Agjil**



No. 6036
(About one-half actual size)

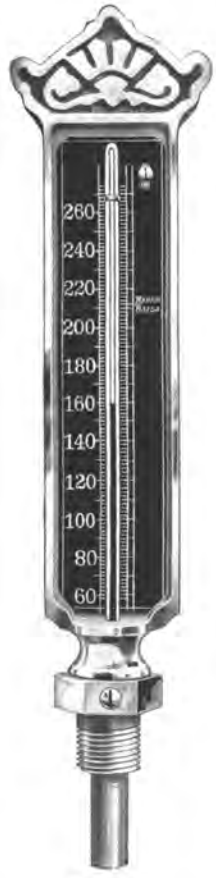
Tycos Track-Laying Thermometer

No. 6036 *Tycos* Track-Laying Thermometer . . . . . **Agjof**
Six and one-half-inch, oxidized-brass scale, etched degree lines, approximate scale range, 0° to 170° F., mercury-filled tube. Packed in a morocco-covered case.

No. 6036A Extra Tube and Scale for No. 6036 . . . . . **Afjet**

Price List in pocket on inside of front cover.

Hot-Water Thermometers



No. 6040

No. 6042

(Illustrations about five-eighths actual size)

Ordinary Grade

Designed only for hot-water heating boilers and not adapted to industrial uses.

CODE WORD

No. 6040 Hot-Water Thermometer ..... **Agjur**

Eight-inch nickel-plated iron case, straight stem 2-inches from shoulder of wrench-head, ½-inch standard pipe-thread, oxidized brass scale, white-filled figures, magnifying mercury-filled tube. Approximate scale range, 60° to 260° F. Packed each in a box.

No. 6041 Hot-Water Thermometer ..... **Agkel**

Same as No. 6040, except permacolor-filled tube.

No. 6042 Hot-Water Thermometer ..... **Aglav**

Same as No. 6040, except angle-stem.

No. 6043 Hot-Water Thermometer ..... **Aglew**

Same as No. 6042, except permacolor-filled tube.

Hot-Water Thermometers—Continued

(Illustrations about one-half actual size)

No. 6044

No. 6044A

Taylor-Quality (Medium Grade)

Straight Stem

CODE WORD

†**No. 6044** *Taylor* Hot-Water Thermometer . . . . . **Aglic**
Seven-inch, V-shape iron case, 3½-inch bulb-stem, including thread, ¾-inch standard pipe-thread, oxidized-brass scale, white-filled figures, heavy magnifying mercury-filled tube. Approximate scale range, 40° to 240° F. Packed each in a box.

CODE WORD

†**No. 6045** *Taylor* Hot-Water Thermometer . . . . . **Aglob**
Same as No. 6044, except 9-inch case.

†**No. 6046** *Taylor* Hot-Water Thermometer . . . . . **Aglux**
Same as No. 6044, except bronze case.

†**No. 6047** *Taylor* Hot-Water Thermometer . . . . . **Aglym**
Same as No. 6045, except bronze case.

Angle Stem

†**No. 6044A** *Taylor* Hot-Water Thermometer . . . . . **Agmaf**
Same as No. 6044, except angle stem.

†**No. 6045A** *Taylor* Hot-Water Thermometer . . . . . **Agmeg**
Same as No. 6045, except angle stem.

†**No. 6046A** *Taylor* Hot-Water Thermometer . . . . . **Agmit**
Same as No. 6046, except angle stem.

†**No. 6047A** *Taylor* Hot-Water Thermometer . . . . . **Agmol**
Same as No. 6047, except angle stem.

Extras for Above Numbers

SYMBOL

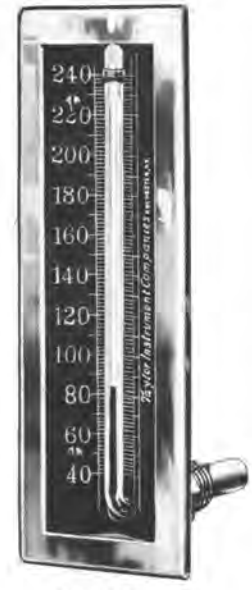
†U Union connection ¾-inch standard pipe-thread . . . . . **Afush**
†B Bronze front with glass fitted to thermometers if specified . . . . . **Afutt**
†H See price list for ranges other than above. Special ranges must cover at least 100° F. and cannot be furnished for temperatures exceeding 400° F . . . . . **Amiwi**
†For greater length of stem up to 6 inches . . . . . **Afuxy**
†For stems of greater length than 6 inches apply for price.
†One-half-inch standard pipe-thread, instead of ¾-inch . . . . . **Afuyg**

Price List in pocket on inside of front cover.

Shower-Bath Thermometers

No. 6050

No. 6051



No. 6055

(Illustrations about three-fifths actual size)

Taylor-Quality (Medium Grade)

CODE WORD

No. 6050 *Taylor* Shower-Bath Thermometer ..... **Agnoj**

Five-inch cylindrical nickel-plated brass case, 1½-inch straight stem including thread, ⅜-inch standard pipe-thread, oxidized-brass scale, white-filled figures, magnifying mercury-filled tube. Approximate scale range, 40° to 240° F. Packed each in a box.

No. 6051 *Taylor* Shower-Bath Thermometer ..... **Agnuc**

Same as No. 6050, except angle stem.

No. 6054 *Taylor* Shower-Bath Thermometer ..... **Agnyv**

Five-inch V-shaped, nickel-plated iron case, straight 1½-inch stem including thread, ⅜-inch standard pipe-thread, oxidized-brass scale, white-filled figures, magnifying mercury-filled tube. Approximate scale range, 40° to 240° F. Packed each in a box.

No. 6055 *Taylor* Shower-Bath Thermometer ..... **Agobo**

Same as No. 6054, except angle stem.

Automatic Electric-Alarm Thermometers

Outer Casing
Nos. 6065 and 6066
(About one-third actual size)

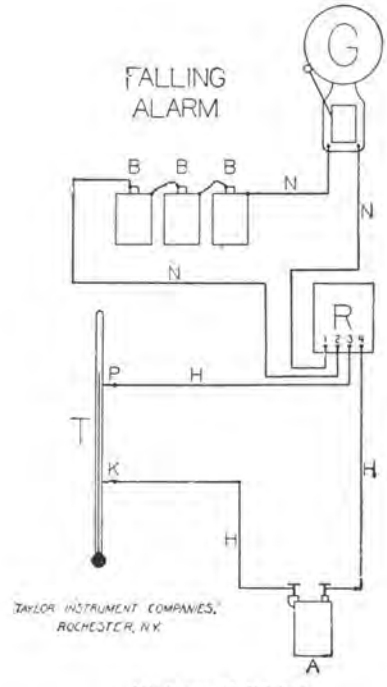


Diagram of Wiring

Inner Construction
No. 6065
(About one-third actual size)

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

For Use in Orchards, Greenhouses, Nurseries, Cold-Storage Warehouses, Etc.

CODE WORD

No. 6065 *Tycos* Automatic Electric-Alarm Thermometer . . . . . **Agoco**

In heavy-metal weather-proof case, size 12 inches by 2 inches, arranged to ring alarm at 32° F., or any other one permanent point desired, which must be mentioned when ordering. Complete with our special relay attachment, but without batteries, bell or wire.

For Hop Curing, Tobacco Curing, and many other purposes where an Alarm is desired at the High and Low points

No. 6066 *Tycos* Automatic Electric-Alarm Thermometer . . . . . **Agodi**

Heavy-metal weather-proof case, size 12 inches by 2 inches, arranged to ring alarm at any two permanent points desired, which must be mentioned when ordering. Complete with our special relay attachment, but without batteries, bell or wire.

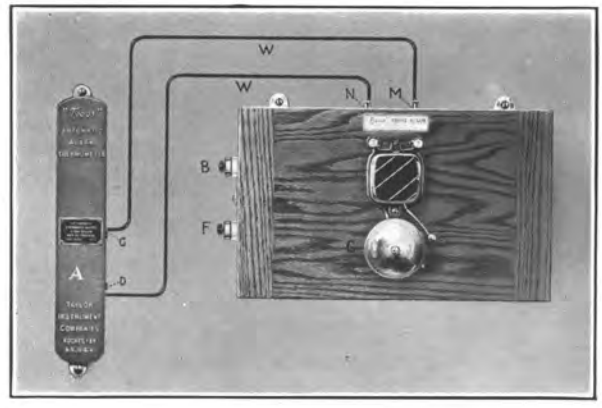
Extras for Above

Additional Contacts . . . . . **Agoeb**

Extra Relays . . . . . **Agofd**

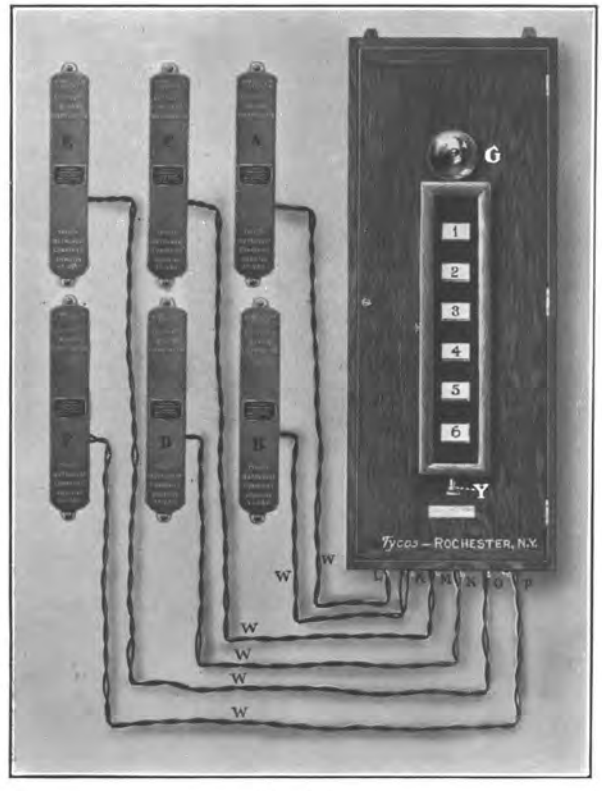
Price List in pocket on inside of front cover.

Automatic Electric-Alarm Thermometers—Continued



No. 6067

Tycos Frost-Alarm Thermometer—Single System



No. 6068 C

Tycos Frost-Alarm Thermometer—Annunciator System

Automatic Electric-Alarm Thermometers—Continued

Tycos Frost-Alarm (Single System)

CODE WORD

No. 6067 *Tycos* Frost-Alarm (Single System) ..... **Agohe**

In heavy-metal weather-proof case, size 12 inches by 2 inches, arranged to ring an alarm at 32° F., or any other one permanent point desired, which must be mentioned when ordering; complete with our special relay attachment, batteries and electric bell, in hardwood case, with full instructions for setting up and operating.

Tycos Frost-Alarm (Annunciator System)

No. 6068 *Tycos* Frost-Alarm (Annunciator System) ..... **Agoif**

Consisting of two thermometers in weather-proof cases, size 12 inches by 2 inches, arranged to ring an alarm at 32° F., or any other permanent point desired, which must be mentioned when ordering; complete with our special relay attachment, batteries, electric bell and annunciator, in hardwood case, with full instructions for setting up and operating.

No. 6068B *Tycos* Frost-Alarm (Annunciator System) ..... **Agoks**

Same as No. 6068, except with four *Tycos* Electric-Alarm Thermometers; complete as above.

No. 6068C *Tycos* Frost-Alarm (Annunciator System) ..... **Agomm**

Same as No. 6068, except with six *Tycos* Electric-Alarm Thermometers; complete as above.

Wire

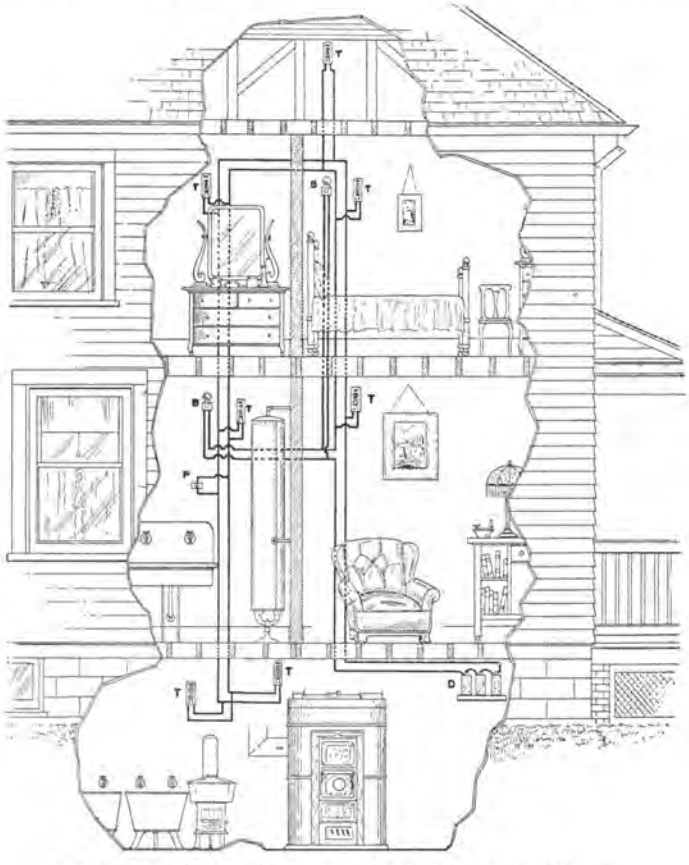
Under existing conditions wire can be purchased locally for the requirements of each installation more satisfactorily to all concerned.

We reprint herewith a convenient reference table of temperatures injurious to fruits when in bud, blossom, etc. While these figures are the danger points, it is always wise to be on the safe side—a degree above the danger mark.

	BUD	BLOSSOM	SETTING FRUIT	OTHER TIMES
Grapes, Tangerines	31°	31°	31°	28°
Grape Fruit, Lemons, Oranges, English Walnuts	30°	31°	31°	28°
Plums, Prunes	30°	31°	31°	28°
Almonds	28°	30°	30°	28°
Peaches	29°	30°	30°	28°
Apples	29°	30°	30°	26°
Pears	28°	29°	29°	28°
Strawberries	28°	28°	28°	30°
Tomatoes, Sweet Potatoes	31°	31°	31°	31°
Irish Potatoes	30°	30°	30°	31°

Price List in pocket on inside of front cover.

Electric-Contact Fire-Alarm Thermometer



B—Electric Bells T—Electric Contact Thermometers
P—Push Button for Testing Purposes D—Batteries

No. 6070

Tycos Electric Contact Thermometer

(About one-half actual size)

Above illustration shows an installation of *Tycos* Electric-Contact Thermometers, in connection with ordinary bells and batteries, for fire-alarm purposes in the home.

Placed in various parts of any building, at points where fire is most likely to occur, all the bells ring when any of the Electric-Contact Thermometers are subjected to a temperature of 130° or more.

Any electrician will furnish bells, batteries, etc., and do the installing.

NOTE—The United States Navy uses *Tycos* Electric-Contact Thermometers for fire alarm purposes on all its warships.

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

CODE WORD

No. 6070 *Tycos* Electric-Contact Fire-Alarm Thermometer..... **Agooz**

Two inches wide and 6¼ inches long. Thermometer mounted on highly-finished hard-wood back and protected by black-oxidized metal guard. An ornament to the walls of any room.

Price List in pocket on inside of front cover.

Sugar-Factory Thermometer

No. 6080K

(About one-fourth actual size)

Tycos-Quality (Best Grade)

CODE WORD

No. 6080K *Tycos* Sugar-Factory Thermometer . . . . . **Agopa**

Twelve-inch copper-cup case, silvered-brass scale, brass screws and tube-clasps, magnifying mercury-filled tube, black figures. Approximate scale range 0° to 150° Centigrade. Packed each in a box, ½ dozen in a carton.

Price List in pocket on inside of front cover.

Asphalt and Sand-Testing Thermometers

Tycos-Quality (Best Grade)

Made exceptionally strong, to withstand rough usage. The glass in the bulb is double the usual thickness. The bulb is also pointed and so constructed as to reduce to a minimum the liability of fracture in use.

CODE WORD

†**No. 1100** *Tycos* Asphalt Testing Thermometer . . . . . **Agorx**

Sixteen inches long. In nickeled armor case same style as illustrated for No. 1102, but without chain and pin. Range of scale 100° to 600° F. in 5° divisions.

†**No. 1100A** *Tycos* Extra Engraved Thermometer for No. 1100 **Agosu**

†**No. 1101** *Tycos* Sand-Testing Thermometer . . . . . **Agouy**

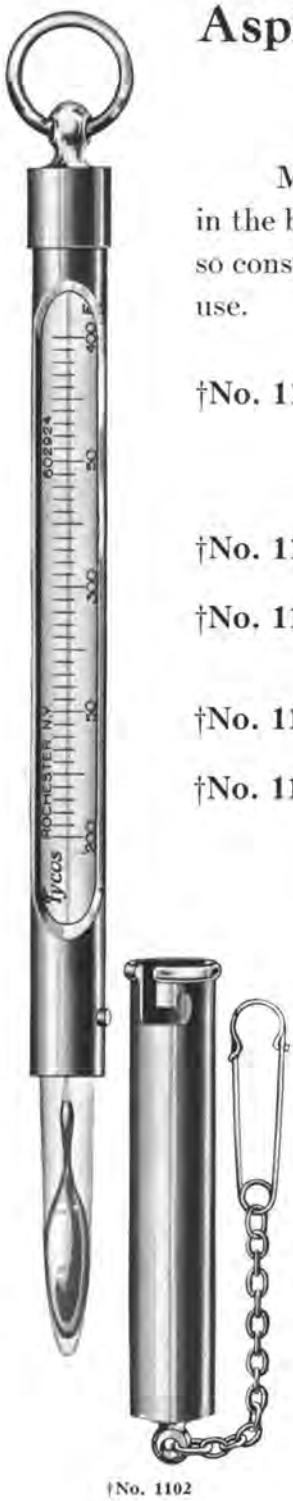
Same as No. 1100, except range of scale 200° to 750° F.

†**No. 1101A** *Tycos* Extra Engraved Thermometer for No. 1101 **Agoxa**

†**No. 1102** *Tycos* Inspector's Pocket Asphalt-Testing Thermometer . . . . . **Agoyn**

Six inches long. In nickeled armor case with chain and pin. Range of scale 200° to 400° F. in 5° divisions.

†**No. 1102A** *Tycos* Extra Engraved Thermometer for No. 1102 . . . . . **Agozt**



†No. 1102
(Actual size)

Extra

†Copper-plating over glass bulb as an added protection, add 75 cents to the list and 75 cents for each additional inch of stem to be covered.

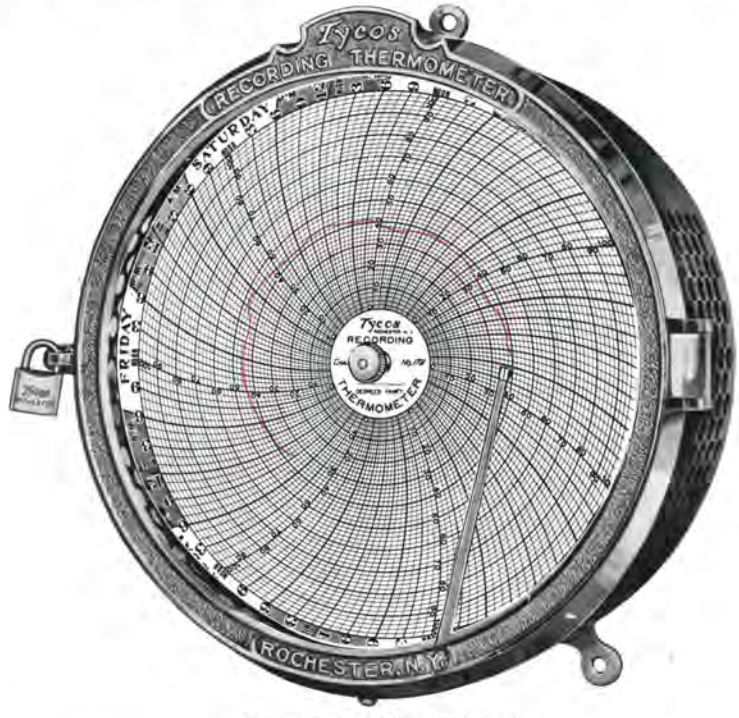
Tycos Recording Thermometer

Dial Type, Self-Contained Form

A superior instrument of handsome appearance, approximately 12 inches high, rugged, and of practicable construction.

The body of the case is finished in weather-resisting instrument-black, while the solid-bronze hinged front is highly polished.

Specially adapted to recording atmospheric temperatures, or to indoor use in factories, cold storage rooms, brewery cellars, offices, hotels, dwellings, etc.



(About one-third actual size)

CODE WORD

†No. 8000 *Tycos* Recording Thermometer (Self-Contained Form) . . . . . **Ajyti**

With any temperature range chart as listed below, complete with lock and key, 100 charts and bottle of *Tycos* Recorder ink. When ordering, state specific number of chart desired.

List of Charts for No. 8000

CHART NUMBER	TEMPERATURE RANGE FROM—	TO+	DEGREE INTERVALS	PERIOD OF REVOLUTION	TEMPERATURE SCALE	CODE WORD
1501		10—120	2	24 Hours	Fahrenheit	**Ajyus**
1503		0—100	2	24 Hours	Fahrenheit	**Ajywa**
1504		0—120	2	24 Hours	Fahrenheit	**Ageac**
1650	—25	+ 30	1	24 Hours	Reaumur	**Agebi**
1662	(Reversed Scale)	0—100	2	24 Hours	Fahrenheit	**Agece**
1701		0—100	2	7 Days	Fahrenheit	**Ajyze**
1703		10—120	2	7 Days	Fahrenheit	**Akaaz**
1704		0—130	2	7 Days	Fahrenheit	**Akaby**
1705		20—150	2	7 Days	Fahrenheit	**Agmuk**
1800	—20	+ 50	1	7 Days	Centigrade	**Akaca**
1900	(Reversed Scale)	0—100	2	7 Days	Fahrenheit	**Amepy**

For conditions to which the Self-Contained Form of Recorder is not adapted, such as chill rooms, smoke houses, drying rooms, ovens and other enclosed spaces, we recommend the Capillary Form Recorder (*page 121*), which permits of chart-case being placed outside the space, while the bulb-stem can be carried to any desired location.

Tycos Recording Thermometer

Dial Type, Capillary Form

No. 8001

The *Tycos* Recording Thermometer writes down in ink on its revolving-paper chart a continuous record of temperatures for every minute of the day and night.

It is particularly suited to installation in window fronts, residences, hotels, clubs, offices, etc. The case can be located inside and the bulb projected through the wall, so that it will be subjected to outside air temperatures.

The case and front-ring will be supplied in dull-black enamel, polished bronze or polished nickeled bronze. Made in a variety of chart ranges to best suit conditions.

Write for complete Recording Thermometer Catalog 8000-9000.

Comparison of Fahrenheit, Centigrade and Reaumur Thermometer Scales

A variety of circumstances arise in which it becomes necessary to convert readings from one scale into those of the others, in which case the following rules are to be observed:

1. To convert Centigrade degrees into degrees of Fahrenheit, multiply by 9, divide the product by 5 and add 32.
2. To convert Fahrenheit degrees into degrees of Centigrade, subtract 32, multiply by 5 and divide by 9.
3. To convert Reaumur degrees into degrees of Fahrenheit, multiply by 9, divide by 4 and add 32.
4. To convert Fahrenheit degrees into degrees of Reaumur, subtract 32, multiply by 4, and divide by 9.
5. To convert Reaumur degrees into degrees of Centigrade, multiply by 5 and divide by 4.
6. To convert Centigrade degrees into degrees of Reaumur, multiply by 4 and divide by 5.

C. Water freezes at 0° Water boils at 100°

F. Water freezes at 32° Water boils at 212°

R. Water freezes at 0° Water boils at 80°

Fahrenheit = 9-5 Cent. +32 = 9-4 Reau. +32	Centigrade = 5-4 Reau. = 5-9 (Fahr.—32)	Reaumur = 4-5 Cent. = 4-9 (Fahr.—32)	Fahr.	Cent.	Reau.	Fahr.	Cent.	Reau.
932	500	400	150	65.6	52.4	46	7.8	6.2
800	426.7	341.3	148	64.4	51.6	44	6.7	5.3
752	400	320	146	63.3	50.7	42	5.6	4.4
700	371.1	296.9	144	62.2	49.8	40	4.4	3.6
662	350	280	142	61.1	48.9	38	3.3	2.7
600	315.5	252.4	140	60	48	36	2.2	1.8
572	300	240	138	58.9	47.1	34	1.1	0.9
500	260	208	136	57.8	46.2	32	0	0
464	240	192	134	56.7	45.3	30	-1.1	-0.9
392	200	160	132	55.6	44.4	28	-2.2	-1.8
350	176.7	141.4	130	54.4	43.6	26	-3.3	-2.7
302	150	120	128	53.3	42.7	24	-4.4	-3.6
300	148.9	119.2	126	52.2	41.8	22	-5.6	-4.4
250	121.1	96.9	124	51.1	40.9	20	-6.7	-5.3
212	100	80	122	50	40	18	-7.8	-6.2
210	98.9	79.1	120	48.9	39.1	16	-8.9	-7.1
208	97.8	78.2	118	47.8	38.2	14	-10	-8
206	96.7	77.3	116	46.7	37.3	12	-11.1	-8.9
204	95.6	76.4	114	45.6	36.4	10	-12.2	-9.8
202	94.4	75.6	112	44.4	35.6	8	-13.3	-10.7
200	93.3	74.7	110	43.3	34.7	6	-14.4	-11.6
198	92.2	73.8	108	42.2	33.8	4	-15.6	-12.4
196	91.1	72.9	106	41.1	32.9	2	-16.7	-13.3
194	90	72	104	40	32	0	-17.8	-14.2
192	88.9	71.1	102	38.9	31.1	-2	-18.9	-15.1
190	87.8	70.2	100	37.8	30.2	-4	-20	-16
188	86.7	69.3	98	36.7	29.3	-6	-21.1	-16.9
186	85.6	68.4	96	35.6	28.4	-8	-22.2	-17.8
184	84.4	67.6	94	34.4	27.6	-10	-23.3	-18.7
182	83.3	66.7	92	33.3	26.7	-12	-24.4	-19.6
180	82.2	65.8	90	32.2	25.8	-14	-25.6	-20.4
178	81.1	64.9	88	31.1	24.9	-16	-26.7	-21.3
176	80	64	86	30	24	-18	-27.8	-22.2
174	78.9	63.1	84	28.9	23.1	-20	-28.9	-23.1
172	77.8	62.2	82	27.8	22.2	-22	-30	-24
170	76.7	61.3	80	26.7	21.3	-24	-31.1	-24.9
168	75.6	60.4	78	25.6	20.4	-26	-32.2	-25.8
166	74.4	59.6	76	24.4	19.6	-28	-33.3	-26.7
164	73.3	58.7	74	23.3	18.7	-30	-34.4	-27.6
162	72.2	57.8	72	22.2	17.8	-32	-35.6	-28.4
160	71.1	56.9	70	21.1	16.9	-34	-36.7	-29.3
158	70	56	68	20	16	-36	-37.8	-30.2
156	68.9	55.1	66	18.9	15.1	-38	-38.9	-31.1
154	67.8	54.2	64	17.8	14.2	-40	-40	-32
152	66.7	53.3	62	16.7	13.3	-42	-41.1	-32.9
			60	15.6	12.4	-44	-42.2	-33.8
			58	14.4	11.6	-46	-43.3	-34.7
			56	13.3	10.7	-48	-44.4	-35.6
			54	12.2	9.8	-50	-45.6	-36.4
			52	11.1	8.9	-52	-46.7	-37.3
			50	10	8	-54	-47.8	-38.2
			48	8.9	7.1	-56	-48.9	-39.1

LABORATORY INSTRUMENT PART

Engraved Thermometers for General Use, *Tycos* Armored Type, Thermometers of Precision, Pocket Testing Thermometers, Chemical Thermometers, Mercurial Barometers

Taylor Instrument Companies

Rochester, N. Y., U. S. A.

"Where *Tycos* Thermometers Come From"

Engraved Thermometers

For General Purposes

Tycos-Quality

Tycos-Quality Engraved Thermometers should not be confused with what are commercially known as "Chemical" Thermometers—every process from selection of the glass to final inspection of the finished thermometer emphasizes *Tycos*-Quality.

The finished tube, whether intended for use at high or low temperatures, before testing and scaling is subjected to the *Tycos* annealing process. By this process the thermometer is made permanently accurate.

The frequency at which test points are taken before the scale is engraved, insures accuracy throughout the scale range.

The finished thermometer is finally inspected and compared with standard instruments. Instrumental error in excess of one-half a scale-graduation interval at any point, or any mechanical defect, results in its rejection.

Charge for Certification

Certificates will be furnished with *Tycos* Engraved Thermometers at an additional net price of 25 cents for each point certified; no certification above 900° F.

Scaled for Full Immersion

All stock *Tycos* Thermometers here listed are tested and their scales determined while fully immersed in the testing medium, thereby exposing to the same temperature not only the bulb of the thermometer, but the column of mercury within its stem. This applies only to thermometers reading to 750° F. or less. Above 750° F. they are tested for 3-inch immersion.

Care must be taken to insure the same conditions in use; otherwise an error in indicated temperature will result to the extent of the effect which the temperature of the air has upon that portion of the mercury column exposed to it, as compared with the effect of its exposure to the same source of heat as its bulb.

No. 1410
(Actual Proportions)

Engraved Thermometers

For General Purposes

Tycos-Quality

If conditions of use do not admit of full-stem immersion, and close accuracy in temperature indication is essential, then the depth of immersion should be determined and the thermometer tested and scaled accordingly, with the depth of such immersion engraved upon its stem.

Fractional Degree Thermometers of this grade are not carried in stock. The variety of lengths and scale ranges, and their subdivisions, precludes the possibility of establishing a definite list. Prices on application.

The following list covers all regular stock lengths and scale ranges. For thermometers of special length or range of scale, or for a fixed depth of immersion other than the *Tycos* Armored Type (*described on page 126.*) Prices on application.

Packed singly in turned-wood boxes.

NO.	LENGTH	SCALE	APPROXIMATE SCALE RANGE	SUBDIVISION	CODE WORD
†1400	12-inch	Fahrenheit	Minus 20° to 120°	1°	Agraj
†1401	12 "	Fahrenheit	0° to 220°	2°	Agrex
†1402	12 "	Fahrenheit	30° to 300°	2°	Agriv
†1403	14 "	Fahrenheit	30° to 400°	2°	Agrow
†1404	16 "	Fahrenheit	30° to 600°	2°	Agryb
†1405	16 "	Fahrenheit	30° to 750°	2°	Agsaw
†1407	16 "	Fahrenheit	100° to 950°	5°	Agsev
†1408	12 "	Centigrade	0° to 100°	1°	Agsib
†1409	12 "	Centigrade	0° to 150°	1°	Agsko
†1410	14 "	Centigrade	0° to 200°	1°	Agsmi
†1411	16 "	Centigrade	0° to 300°	1°	Agsoc
†1412	16 "	Centigrade	0° to 400°	1°	Agsup
†1414	16 "	Centigrade	50° to 510°	2°	Agsyk
†1437	10¼-inch	Fahrenheit	Minus 30° to 30°	1°	Agtey
†1438	10¼ "	Fahrenheit	0° to 350°	2°	Agtgu
†1439	12 "	Fahrenheit	Minus 40° to 100°	1°	Agtyt

†No 1441 Armored Thermometer (Actual Proportions)

Armored Engraved Thermometers

Tycos-Quality (Best Grade)

The instrument illustrated herewith is encased in a nickel-plated steel tube with a portion of the side milled out and the lower end perforated, to allow circulation around the bulb.

The so-called "armor" offers great protection to the thermometer, which is suspended from the screw-cap and can easily be removed for replacing.

Engraved Thermometers for use in armor have scale engraved for 3-inch immersion, with emergent mercury column subject to normal temperature. Each instrument has immersion line engraved on the stem. Armored Thermometers are adapted to use in wells inserted in pipe-lines, etc.

Graduations in Fahrenheit Scale

	LENGTH	SCALE	SCALE RANGE	SUB-DIVISION	CODE WORD	
					COMPLETE WITH ARMOR	WITHOUT ARMOR
†No. 1440	12 inches	Fahr.	Minus 20° to 120°	1°	Aguad	Akmaw
†No. 1441	12 "	Fahr.	0° to 220°	2°	Agubu	Akmev
†No. 1442	12 "	Fahr.	30° to 300°	2°	Aguec	Akmib
†No. 1443	14 "	Fahr.	30° to 400°	2°	Agulb	Akmoc
†No. 1444	16 "	Fahr.	30° to 600°	2°	Agumo	Akmup
†No. 1445	16 "	Fahr.	30° to 750°	2°	Aguov	Akmyk
†No. 1447	16 "	Fahr.	100° to 950°	5°	Aguti	Aknex

Graduations in Centigrade Scale

	LENGTH	SCALE	SCALE RANGE	SUB-DIVISION	CODE WORD	
					COMPLETE WITH ARMOR	WITHOUT ARMOR
†No. 1448	12 inches	Cent.	0° to 100°	1°	Aguvy	Akniv
†No. 1449	12 "	Cent.	0° to 150°	1°	Aguwa	Aknow
†No. 1450	14 "	Cent.	0° to 200°	1°	Aguxt	Aknyb
†No. 1451	16 "	Cent.	0° to 300°	1°	Aguyx	Akoad
†No. 1452	16 "	Cent.	0° to 400°	1°	Aguze	Akobu
†No. 1454	16 "	Cent.	50° to 510°	2°	Agvef	Akolb

Steel Wells

Cross Section of Well

The wells illustrated herewith are machined from steel bars, threaded for ½-inch pipe, and fitted with screw-plug to retain contact medium in transportation, or keep out foreign matter when well is connected but not in use. Made in the following lengths below thread.

Well with Screw Plug

	†1½-Inch	†2-Inch	†2½-Inch	†3-Inch	†3½-Inch
CODE WORD	Agvom	Agvri	Agvug	Agvyr	Agwak
	†4-Inch	†4½-Inch	†5-Inch	†6-Inch	†7-Inch
CODE WORD	Agwid	Agwor	Agwuz	Agxek	Agxir

Price List in pocket on inside of front cover.

Engraved Pocket Thermometers

Tycos-Quality (Best Grade)

These thermometers are made in convenient form for carrying about, and may be used for making temperature tests of any kind.

The pocket case is made of spiral ribbed aluminum tubing, as illustrated. The thermometer tube is secured in the cap without packing or cement, and can easily be removed for replacing.

		CODE WORD
†**No. 1484**	*Tycos* Pocket Thermometer. Five-inch twist-aluminum case with chain and pin. Approximate range of scale, minus 30° to + 120° Fahrenheit, in 2° divisions.	**Agxum**
†**No. 1484A**	Extra Engraved Thermometer for No. 1484	**Agydu**
†**No. 1485**	*Tycos* Pocket Thermometer. Five-inch twist-aluminum case with chain and pin. Approximate range of scale, 0° to 220° Fahrenheit, in 2° divisions.	**Agyaz**
†**No. 1485A**	Extra Engraved Thermometer for No. 1485	**Agyep**
	†NOTE—Above listed thermometers will be furnished with scale graduated in Centigrade if so specified	**Agyca**

†No. 1485
(Actual size)

Maximum Registering Engraved Thermometers

Tycos-Quality (Best Grade)

No. 1496
(Actual size)

The Maximum Registering Thermometer registers the highest degree of heat in any location or condition to which it is exposed. It is particularly useful for determining the highest temperature in locations inconvenient or inaccessible.

The registering feature consists of an obstruction formed by narrowing or contracting the bore in the tube immediately above the bulb (*see illustration*), which, while allowing the mercury to rise when heated, prevents the column from receding into the bulb on cooling. The maximum reading can, therefore, be observed any time after exposure, and for repeated use the column is shaken down, by subjecting the thermometer to a swinging motion.

In a Self-Registering Thermometer the mercury column of necessity always appears broken, and no effort should be made to unite it.

		CODE WORD
†**No. 1486**	*Tycos* Pocket Maximum Registering Thermometer. Five-inch twist-aluminum case with chain and pin. Approximate scale range 0° to 220° Fahrenheit, in 2° divisions.	**Agyni**
†**No. 1486A**	*Tycos* Extra Engraved Thermometer for No. 1486	**Agyos**
†**No. 1494**	*Tycos* Pocket Maximum Registering Thermometer. Five-inch brass case. Approximate scale range 200° to 300° Fahrenheit in 1° divisions.	**Agyte**
†**No. 1494A**	*Tycos* Extra Engraved Thermometer for No. 1494	**Agyul**
†**No. 1495**	*Tycos* Pocket Maximum Registering Thermometer. Five-inch brass case. Approximate scale range 100° to 400° Fahrenheit in 2° divisions.	**Agyzo**
†**No. 1495A**	*Tycos* Extra Engraved Thermometer for No. 1495	**Agzan**
†**No. 1496**	*Tycos* Pocket Maximum Registering Thermometer. Five-inch brass case. Approximate scale range 0° to 220° Fahrenheit in 2° divisions.	**Agzet**
†**No. 1496A**	*Tycos* Extra Engraved Thermometer for No. 1496	**Agzys**
	†NOTE—Above listed thermometers will be furnished with scale graduated in Centigrade, if so specified.	**Agyca**

Section of Maximum Registering Thermometer Tube Greatly Magnified, Showing Contraction of the Bore

No. 1486
(Actual Size)

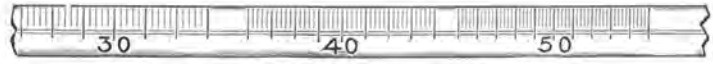
Engraved Thermometers

Tycos-Precision-Quality

For fine-test work in the laboratory, or for purposes requiring the measurement of temperature to small fractions of a degree, it is necessary to use instruments permitting greater discrimination than is possible with regularly scaled Engraved Thermometers.

Tycos-Precision-Quality Thermometers with scale graduated in fractions of degrees, necessitate great refinement in the processes of manufacture, to insure the high degree of accuracy guaranteed by our certificate of final test, in comparison with U. S. Standards.

To meet the great diversity of individual requirements, *Tycos*-Precision-Quality Thermometers will be made to order with scale range as desired, if within limits of 40° below zero and 465° Fahrenheit. Prices are based on length and will be the same as for thermometers of the same length listed below, if subdivisions are practicable and not finer than $\frac{1}{10}$ degree.



Number of scale-divisions practicable per inch

†No. 1463 (Actual proportions)

		CODE WORD
†No. 1463	*Tycos* Precision Thermometer. . . . . Fifteen inches long. Range of scale minus 30° to 110° Fahrenheit, in $\frac{1}{5}$° divisions.	Ahado
†No. 1464	*Tycos* Precision Thermometer. . . . . Fifteen inches long. Range of scale 0° to 220° Fahrenheit, in $\frac{1}{2}$° divisions.	Ahaef
†No. 1465	*Tycos* Precision Thermometer. . . . . Fifteen inches long. Range of scale 80° to 300° Fahrenheit, in $\frac{1}{2}$° divisions.	Ahage
†No. 1466	*Tycos* Precision Thermometer. . . . . Eighteen inches long. Range of scale minus 30° to +40° Fahrenheit, in $\frac{1}{10}$° divisions.	Ahaly
†No. 1467	*Tycos* Precision Thermometer. . . . . Twenty-one inches long. Range of scale 30° to 120° Fahrenheit, in $\frac{1}{10}$° divisions.	Ahaom
†No. 1468	*Tycos* Precision Thermometer. . . . . Twenty-one inches long. Range of scale 120° to 220° Fahrenheit, in $\frac{1}{10}$° divisions.	Ahapu
†No. 1469	*Tycos* Precision Thermometer. . . . . Twenty-four inches long. Range of scale 30° to 220° Fahrenheit, in $\frac{1}{5}$° divisions.	Ahari
†No. 1471	*Tycos* Precision Thermometer. . . . . Twenty-one inches long. Range of scale 0° to 50° Centigrade, in $\frac{1}{10}$° divisions.	Ahasa
†No. 1472	*Tycos* Precision Thermometer. . . . . Twenty-four inches long. Range of scale 0° to 100° Centigrade, in $\frac{1}{10}$° divisions.	Ahaug

NOTE—Each instrument packed in felt-lined brass case.

†No. 1472 (Actual proportions)

†No. 1478
(Actual proportions)

Engraved Calorimeter Thermometers

For Gas Calorimeter Work

Tycos-Extra-Quality

The instruments listed herewith are specially designed for the Junker's type of calorimeter.

CODE WORD

†No. 1480 *Tycos* Gas Calorimeter Inlet Water Thermometer . . **Ahavs**
Eighteen inches long. Scale range 45° to 100° Fahrenheit, in $\frac{1}{10}$° divisions. Guaranteed accurate to $\frac{1}{10}$°.

†No. 1481 *Tycos* Gas Calorimeter Outlet Water Thermometer . **Ahawd**
Eighteen inches long. Scale range 60° to 110° Fahrenheit, in $\frac{1}{10}$° divisions. Guaranteed accurate to $\frac{1}{10}$°.

NOTE—Made in accordance with recommendations of Committee on Calorimetry of American Gas Institute, 1912.

NOTE—Either of the above will be furnished with the equivalent range in Centigrade, in $\frac{1}{10}$° graduations, if so specified . . . . . **Agyca**

†No. 1124 *Tycos* Calorimeter Exhaust Thermometer . . . . . **Ahayr**
Seven and one-half inches long. Scale range 40° to 120° Fahrenheit, in 1° divisions.

For Fuel Calorimeter Work

Tycos-Precision-Quality

The necessity for discriminating temperature increments to one-thousandth of 1° C. requires the use of instruments with extra-fine scale divisions.

By co-operative efforts in the production of fine thermometer tubing made from glasses of known co-efficients, careful selection and calibration and thorough aging, we have developed High Precision Thermometers with finely-divided scale and sufficient range to cover the varying working temperatures due to seasonal or other changes.

The instruments listed herewith are adapted to the various Bomb Calorimeters in general use.

CODE WORD

†No. 1476 *Tycos* Fuel Calorimeter Thermometer . . . . . **Ahbaz**
Twenty-four inches long. Scale range 20° to 30° Centigrade, in $\frac{1}{100}$° divisions.

†No. 1478 *Tycos* Fuel Calorimeter Thermometer . . . . . **Ahbep**
Eighteen inches long. Scale range 18° to 30° Centigrade, in $\frac{1}{50}$° divisions.

NOTE—Either of the above will be furnished with the equivalent range in Fahrenheit if so specified . . . . . **Ahbim**

Tycos Differential Thermometers

Highest degree of accuracy, strong construction and rapid and simple operation.

CODE WORD

†No. 1474 *Tycos* Differential Thermometer . . . . . **Ahbos**
Sixteen inches long. Can be set to show changes in temperature of any 5 degrees Centigrade, in $\frac{1}{100}$°, between approximately 0° and 100° Centigrade.

Price List in pocket on inside of front cover.

No. 6100 (Actual proportions)

Engraved Chemical Thermometers

Ordinary Grade

Plain Mercury Tubes ¼-inch Diameter, Each in a Turned Wood Box.

NO.	LENGTH	SCALE	APPROXIMATE SCALE RANGE	SUB-DIVISION	CODE WORD
6100A	12-inch	Fahrenheit	Minus 20° to +120°	2°	**Ahbul**
6100	12 "	"	0° to 220°	2°	**Ahdan**
6101	12 "	"	30° to 300°	2°	**Ahdet**
6102	14 "	"	30° to 400°	2°	**Ahdra**
6103	16 "	"	30° to 650°	2°	**Ahdys**
6100C	12 "	Centigrade	Minus 10° to +110°	1°	**Aheas**
6101C	12 "	"	0° to 150°	1°	**Aheek**
6102C	14 "	"	0° to 200°	1°	**Ahefy**
6103C	16 "	"	0° to 350°	1°	**Ahegi**
6106C	14 "	"	0° to 250°	1°	**Ahila**
6107C	16 "	"	0° to 300°	1°	**Ahior**

Battery Thermometers

CODE WORD

No. 6105 Engraved Battery Thermometer..... **Aheir**

Six-inch, magnifying permacolor-filled tube, approximate scale range 20° to 120° Fahrenheit, in 1° graduations. In hard-rubber case.

No. 6105 (Actual Size)

Mercurial Barometers

The Mercurial Barometer of today is essentially the same as originally invented by Torricelli in 1643. It consists of a straight glass tube, 32 or 33 inches long, filled with mercury. The tube inverted with the open end in a cup of mercury, the column falls until counterbalanced by the weight of the surrounding atmosphere pressing upon the surface of the mercury in the cistern. In other words, were it possible to weigh a column of air of the same diameter as the bore of the barometer tube extending from the surface of the mercury in the cistern to the top of the atmosphere, the weight would be found the same as that of the mercury contained in the tube above the surface of the mercury in the cistern. Hence, any change in atmospheric pressure produces an alteration in the height of the mercurial column in the tube. It only remains, therefore, to devise some method of measuring the height of the column, to determine the varying conditions of atmospheric pressure.

Figure 1 on page 133 shows the dividing of the scale of No. 6180 Standard Barometer.

The inch is divided into tenths, which are subdivided into spaces each equal to one-fiftieth part of an inch A—B.

The vernier, C—D, has 20 divisions, which are equal in total length to 19 divisions on the scale.

One graduation on the scale is longer, therefore, than one on the vernier by 1-20th part of 1-50th part of an inch, which equals (.05 x .02) inches = .001 inch. Measurements, therefore, can be made to .001 inch by use of this scale and vernier.

Observatory Barometers

Fig. 1

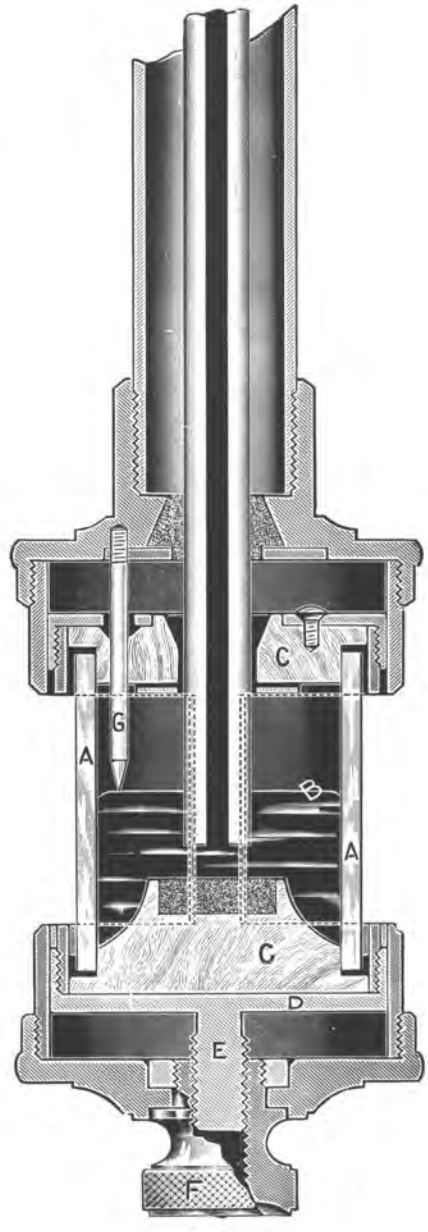


Fig. 3

Cistern Construction

Fig. 2

Observatory Barometers

(With Improved Cistern)

The advantage of this cistern over the ordinary Fortin type is the strength and arrangement of its parts, which reduces the risk of breakage, air leak, and mercury leak in transportation, while the simplicity and perfection of zero-level adjustment are conserved.

Detailed Description of Cistern

This cistern (*Figure 3, page 133*) consists primarily of a heavy-walled cylinder, "A," allowing the surface of the mercury, "B," to be clearly seen. This glass cylinder is securely held between bolsters, "C," in a revolving frame suitably mounted in the base of the instrument. The bottom of this frame, "D," is connected with a threaded stem, "E," which ends in the knurled nut, "F," by means of which the cistern is moved vertically, raising or lowering the surface of the mercury, and adjusting its level to the ivory point, "G," which is the exact zero of the scale.

To put up the barometer for observation, suspend by the ring in a good light near to and at the left side of a window, and, when practicable, in a room not liable to sudden variations of temperature. Record the temperature, and then, by use of the screw, lower the mercury in the cistern until the surface is in the same plane with the extremity of the ivory point. As this extremity of the point is the zero of the scale, it is necessary at each observation to perfect this adjustment. It is perfect when the mercury just makes visible contact. If the surface is lowered a little it is below the point, and if raised a small amount a distinct depression is seen around the point. This depression is reduced to the least visible degree. A few trials will show that this adjustment can always be made to a thousandth of an inch.

The adjustment having been effected, bring the lower edge of the vernier, by means of the milled heads, into the same plane with the convex summit of the mercury in the tube. Looking through the opening, with the eye on a level with the top of the mercury in the tube, when the vernier tube is too low the light is cut off; when too high, the light is seen above the top of the mercury. It is right when the light is just cut off from the summit, the edge making a tangent to the curve (*Figure 2, page 133*). An opal-glass reflector placed behind and also at the cistern, will be found to give a more agreeable light by day, and is, besides, necessary for night observations: the lamp being placed before the instrument and above the eye, to reflect the light.

Observatory Barometers—Continued

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

No. 6185
(About one-fifth actual size)

CODE WORD

No. 6180 *Tycos* Observatory Barometer..... **Ahema**

For use in an altitude from sea level to 3,000 feet. Inch scale, 26 inches to 31 inches, $\frac{1}{50}$-inch divisions, vernier reading to $\frac{1}{1000}$-inch. ¼-inch bore barometer tube. Black-oxidized finish brass stem, silvered scale and vernier with black-filled figures. Fahrenheit scale, engraved thermometer mounted on stem. Length over all 39 inches.

No. 6182 *Tycos* Observatory Barometer..... **Ahepo**

Same as No. 6180, except with metric scale, 66 cm. to 78 cm., $\frac{1}{10}$ cm. divisions, vernier reading to $\frac{1}{10}$ mm., and centigrade scale engraved thermometer.

Extra for Barometer with Scale Reading Lower than 26 Inches

SYMBOL

A Barometer for use in altitude up to 5,000 feet. Inch scale, 24 inches to 31 inches or metric scale, 61 cm. to 78 cm..... **Aherl**

B Barometer for use in altitude up to 8,000 feet. Inch scale, 21 inches to 31 inches or metric scale, 53 cm. to 78 cm..... **Ahesb**

Extras

SYMBOL

G Oak board with opal-glass reflectors, suspension hook and steadying screws.... **Aheum**

H Glass cover for protecting the scale..... **Aheyp**

J Inch and metric scale, double vernier, $\frac{1}{1000}$ inch and $\frac{1}{10}$ mm..... **Ahfev**

NOTE—To insure safe delivery, these barometers are shipped in a special box with inside fittings, for which a charge is made, which is credited when box has been returned to us..... **Akgav**

Marine Barometers

Tycos-Quality (Best Grade)

Each stamped *Tycos*, our Registered Trade Mark

Fixed cistern without zero adjustment. The deviation caused by a rising or falling column is compensated for in the graduation of the scale. Each instrument is pointed in comparison with a Standard Barometer. To prevent oscillation of the mercury column from the motion of the boat, the lower end of the tube is contracted, and below this is a chamber to prevent small particles of air rising.

CODE WORD

No. 6185 *Tycos* Marine Barometer..... **Ahfib**

Inch scale, 26 inches to 31 inches, $\frac{1}{10}$-inch divisions, vernier reading to $\frac{1}{100}$-inch. ¼-inch bore barometer tube. Black-oxidized finish brass stem, nickel-silver scale and vernier with black-filled figures. Fahrenheit scale engraved thermometer mounted on stem. Gimbal arm for attaching. Length over-all 38 inches. Packed each in a carrying box.

No. 6180
(About one-sixth actual size)

Price List in pocket on inside of front cover.

Improved Mercurial Barometer for Schools and Colleges

Taylor-Quality (Medium Grade)

CODE WORD

No. 6190 *Taylor* Improved Mercurial Barometer . . . . . **Ahfoc**

For use in altitude from sea level to 3000 feet. Double scale: inch scale, 25 inches to 32 inches, $\frac{1}{10}$-inch divisions, vernier reading to $\frac{1}{100}$-inch; metric scale, 64 cm. to 81 cm., $\frac{1}{10}$ cm. divisions, vernier reading to $\frac{1}{10}$ mm. $\frac{1}{8}$-inch bore barometer tube. Black-oxidized finish brass scale and vernier with white-filled figures. Sliding scale to allow for changing level of mercury in the cistern. Screw attachment for blocking the mercury. Mounted on oak board with F. and C. Scale Thermometer. Length over-all 39 inches.

No. 6190
(About one-eighth actual size)

Extra for Barometer with Scale Reading Lower than 26 Inches

SYMBOL

A Barometer for use in altitude up to 5,000 feet. Inch scale, 24 inches to 32 inches and metric scale, 61 cm. to 81 cm. . . . . **Ajnux**

B Barometer for use in altitude up to 8,000 feet. Inch scale, 21 inches to 32 inches and metric scale, 53 cm. to 81 cm . . . . . **Ajoaf**

Extras

Tube for No. 6190, filled with mercury, with screw stopper . . . . . **Ahfup**

Tube for No. 6190, filled with mercury, without screw stopper . . . . . **Ahfyk**

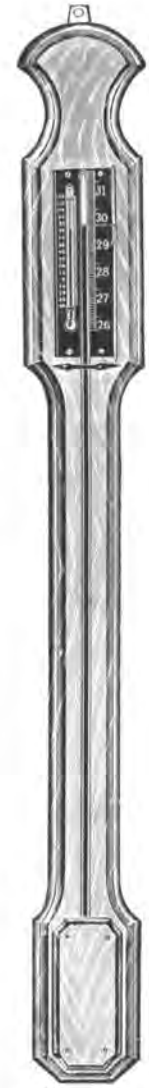
Library Barometer

Ordinary Grade

CODE WORD

No. 6196 Library Barometer . . . . . **Ahgoy**

Inch scale: 26 inches to 31 inches, $\frac{1}{10}$-inch divisions, sliding metal pointer. $\frac{1}{8}$-inch bore barometer tube. Black-oxidized finish scale, white-filled figures. Mounted on oak board with thermometer. Length over-all 42 inches.



No. 6196
(About one-eighth actual size)

Extras

No. 6196A Extra tubes for No. 6196, filled with mercury . . . . . **Akluc**

Price List in pocket on inside of front cover.

Hydrometers, Copper Cans, Glass Jars

REG'D. TRADE MARK
Tycos
ROCHESTER, N.Y.

Taylor Instrument Companies

Rochester, N. Y., U. S. A.

"Where *Tycos* Thermometers Come From"

Hydrometers

Hydrometers in General

The hydrometer is an instrument employing the general physical law that a floating body displaces its own weight of the liquid in which it floats. It is used to determine the relative densities, or weights, of liquids.

Hydrometers can be divided into two general classes: those for use in liquids heavier than water, and those for use in liquids lighter than water.

With the exception of a few special scales, the unit of comparison, or initial point on the hydrometer scale, is taken from pure water at a standard temperature. This standard temperature is, unless otherwise specified, 60° F., meaning that to obtain the true reading, it must be taken in a liquid whose temperature is 60° F. The indication of the hydrometer then shows the exact comparison in weight, or density, between the liquid tested and pure water at 60° F.

The range, i. e., the number of degrees shown on the stem of the hydrometer, should be governed by the degree of accuracy desired in the instrument. When the range is large, the subdivisions are close together and the action of the hydrometer is more sluggish than where only a few degrees are shown on the stem, the latter allowing not only finer but more open subdividing.

Proper Use of Hydrometers

The hydrometer should be read, when used in transparent liquids, from below the surface of the liquid, the reading being taken at that point where the straight line formed by the surface cuts the hydrometer stem. When used in opaque liquids, the reading should be obtained by taking the indication at the top of the meniscus, i. e., the surface of the liquid drawn up around the stem, and allowance made for the height to which this rises above the actual surface of the liquid, to determine the true reading.

To obtain accurate results the hydrometer must be clean, the surface of the liquid free from dirt and care taken not to force the hydrometer, or allow it to sink more than $\frac{1}{8}$-inch over the point on the stem at which it floats.

Hydrometer Scales

The scale used principally on Standard Hydrometers and for scientific purposes is known as Specific Gravity, with distilled water as 1 for the initial point. This is written 1.000, or 1,000, and is divided decimally below 1.000 for liquids lighter than water and above 1.000 for liquids heavier than water. A liquid whose density is 50 per cent. greater than that of water will read 1.500 Sp. Gr.; and one whose density is 25 per cent. lighter than water, 0.750.

The scales used in commerce, however, are generally arbitrary ones, which have been made to suit a certain industry, or industries, and have become established in their respective trades by long and more or less universal use. These scales are usually known by the name of their originator, as Baumé, Brix, Balling, etc.

Confusion is caused by the fact that there are some hundred or more of these arbitary scales and that they were originally derived when the facilities for accuracy known today were unheard and probably undreamed of, Baumé's scales being first published in 1762 and 1768.

Hydrometers—Continued

U. S. Bureau of Standards as Authority

To bring about uniformity, nearly every country has established a Government Bureau, which determines standards for these arbitrary scales, at least for those in general use.

The United States Bureau of Standards has taken up this work and has established tables (adopting principally those that have general commercial approval) for practically all of these scales, and *Tycos* Hydrometers are made to conform to their specifications.

To aid the user and protect ourselves, wherever possible any special authority for the value of a scale is printed after the name: as, "Milk Hydrometer, N. Y. Board of Health."

If for one of the less known scales, for which the Bureau of Standards has not adopted a table, we find that custom has fixed upon one value to a greater extent than upon another, we work accordingly and make the scale as the majority of interests have determined, but we do so knowing that there are in use other arbitary scales bearing the same name but of different specific gravity value.

Grade, or Quality

The uses of hydrometers are so numerous and the accuracy necessary to make them of value varies so greatly that we have found it advisable to make them in more than one grade.

The first grade is known as

Tycos-Precision-Quality

These hydrometers, with few exceptions, are made only on order and with scales for which there is some absolutely fixed standard. They represent the highest attainable accuracy in hydrometry and are built by the most expert workmen and of the best materials. They are intended to meet the demand for instruments to use in the very finest scientific work and are guaranteed as accurate as hydrometers can be made.

The next grade is the

Tycos-Quality

These hydrometers are made according to the specifications of the United States Bureau of Standards and are guaranteed to be within their limit of negligible error. They are for general scientific use and for industrial laboratories where great accuracy is required.

The next grade, is the

Taylor-Quality (Medium Grade)

The hydrometers of this grade are for general use and meet the demands of ordinary commercial and industrial requirements. They are not, however, as finely subdivided as the "*Tycos*-Quality" instruments.

The last grade is known as

Ordinary Grade

Under this head we list hydrometers suitable to the wants of the arts and industries for an instrument to make approximate tests and also where the chance of rough usage is so great that they are required in large quantities.

Hydrometers—Continued

Plain (Without Thermometers)

Tycos-Precision-Quality

Hand-written scales marked *Tycos*, our Registered Trade Mark

Packed each in a box, ½ dozen in a carton

		CODE WORD
†M No. 7000	Sugar Hydrometer, Brix Scale, 0° to 11°. . . . . $\frac{1}{10}°$ graduations, temperature 17½C, 15 inches long, mercury weighted.	Ahire
†M No. 7000A	Sugar Hydrometer, Brix Scale, 9° to 21°. . . . . Otherwise same as No. 7000.	Ahisy
†M No. 7000B	Sugar Hydrometer, Brix Scale, 19° to 31° . . . . . Otherwise same as No. 7000.	Ahiuz
†M No. 7000D	Sugar Hydrometer, Brix Scale, 29° to 41° . . . . . Otherwise same as No. 7000.	Ahkag
†M No. 7000E	Sugar Hydrometer, Brix Scale, 39° to 51° . . . . . Otherwise same as No. 7000.	Ahkin
†M No. 7000F	Sugar Hydrometer, Brix Scale, 49° to 61° . . . . . Otherwise same as No. 7000.	Ahkok
†M No. 7000G	Sugar Hydrometer, Brix Scale, 59° to 71° . . . . . Otherwise same as No. 7000.	Ahkub
†M No. 7000H	Sugar Hydrometer, Brix Scale, 69° to 81° . . . . . Otherwise same as No. 7000.	Ahkyf
†M No. 7000J	Sugar Hydrometer, Brix Scale, 79° to 91° . . . . . Otherwise same as No. 7000.	Ahley
†M No. 7000K	Sugar Hydrometer, Brix Scale, 89° to 100° . . . . . Otherwise same as No. 7000.	Ahlgu

Precision Hydrometers

Where hydrometers are required for purposes of standardization, the Precision-Quality is highly recommended.

Our facilities are such that, while we do not stock this grade, we can make up sets or single instruments in a very short time.

Above are the only Precision Hydrometers for which there has been sufficient demand to warrant listing them as regular numbers. We are, however, prepared to make up instruments graduated to 1-10 of a degree or finer for arbitrary scales (Baumé, Brix, Balling's, etc.) and Per Cent. Scales and to .001 or finer Sp. Gr.

Precision Hydrometers are made only for scales for which the United States Bureau of Standards has adopted tables of values. The instruments of this grade are guaranteed to be of the highest obtainable accuracy and of the very finest workmanship.

We solicit correspondence regarding Precision Hydrometers and will be pleased to furnish prices and particulars promptly upon receipt of inquiry.

Hydrometers—Continued

Plain (Without Thermometers)

Tycos-Quality

Hand-written scales marked *Tycos*, our Registered Trade Mark
Temperature at which standardized (unless otherwise stated) 60° F.
Approximate lengths (unless otherwise stated) are: Plain Hydrometer, 11 inches. Thermo-Hydrometer, 16 inches over all.
Packed each in a box, ½ dozen in a carton.

		CODE WORD
†S No. 1500	Acid, Baumé Scale, 0° to 70°. . . . . 1° graduations.	Ahlyt
†S No. 1502	Acid, Baumé Scale, 0° to 35°. . . . . ½° graduations.	Ahmuy
†S No. 1502A	Acid, Baumé Scale, 35° to 70°. . . . . ½° graduations.	Ahnel
	Acid (*See also Baumé Scale for Heavy Liquids*).	
	Alcohol (*See Spirit*).	
	Ammonia, Baumé Scale (*page 93*).	
†S No. 1506	Alkali, Baumé Scale, 0° to 60°. . . . . 1° graduations.	Ahoam
†S No. 1508	Alkali, Baume Scale, 0° to 20°. . . . . ½° graduations.	Ahoed
S No. 7110A	Battery, Specific Gravity Scale, 1.150 to 1.250. . .001 graduation, 9 inches long, flat body.	Ahofs
S No. 7112	Battery, Specific Gravity Scale, 1.150 to 1.300. . .005 graduation, 5 ½ inches long, used in Chargometer No. 7400.	Ahojo
†S No. 1516	Baumé Scale, Heavy Liquids, 0° to 25°. . . . . ¼° graduations.	Ahokt
†S No. 1516A	Baumé Scale, Heavy Liquids, 25° to 50°. . . . . ¼° graduations	Aholu
†S No. 1516B	Baumé Scale, Heavy Liquids, 50° to 70°. . . . . ¼° graduations.	Ahome
†S No. 7114	Baumé Scale, Heavy Liquids, 0° to 10°. . . . . $\frac{1}{10}$° graduations.	Ahony
†S No. 7114A	Baumé Scale, Heavy Liquids, 10° to 20°. . . . . $\frac{1}{10}$° graduations.	Ahoof
†S No. 7114B	Baumé Scale, Heavy Liquids, 20° to 30°. . . . . $\frac{1}{10}$° graduations.	Ahopi
†S No. 7114D	Baumé Scale, Heavy Liquids, 30° to 40°. . . . . $\frac{1}{10}$° graduations.	Ahorp
†S No. 7114E	Baumé Scale, Heavy Liquids, 40° to 50°. . . . . $\frac{1}{10}$° graduations.	Ahota
†S No. 7114F	Baumé Scale, Heavy Liquids, 50° to 60°. . . . . $\frac{1}{10}$° graduations.	Ahour
†S No. 7114G	Baumé Scale, Heavy Liquids, 60° to 70°. . . . . $\frac{1}{10}$° graduations.	Ahowl
†S No. 7116	Baumé Scale, Light Liquids, 10° to 20°. . . . . $\frac{1}{10}$° graduations.	Ahoyz
†S No. 7116A	Baumé Scale, Light Liquids, 20° to 30°. . . . . $\frac{1}{10}$° graduations.	Ahpab
†S No. 7116B	Baumé Scale, Light Liquids, 30° to 40° . . . . . $\frac{1}{10}$° graduations.	Ahpen
†S No. 7116D	Baumé Scale, Light Liquids, 40° to 50° . . . . . $\frac{1}{10}$° graduations.	Ahpix

†SNo. 7114G
(About one-half actual size)

NOTE—The "S" before the numbers indicates "shot-weighted."

Hydrometers—Continued

Plain (Without Thermometers)

Tycos-Quality

Hand-written scales marked *Tycos*, our Registered Trade Mark
Temperature at which standardized (unless otherwise stated) 60° F.
Approximate lengths (unless otherwise stated) are: Plain Hydrometer, 11 inches. Thermo-Hydrometer, 16 inches over all.
Packed each in a box, ½ dozen in a carton.

		CODE WORD
†S No. 7116E	Baumé Scale, Light Liquids, 50° to 60°. . . . . . $\frac{1}{10}$° graduations.	Ahpoj
†S No. 7116F	Baumé Scale, Light Liquids, 60° to 70°. . . . . . $\frac{1}{10}$° graduations.	Ahpuc
†S No. 7116G	Baumé Scale, Light Liquids, 70° to 80°. . . . . . $\frac{1}{10}$° graduations.	Ahrac
†S No. 7116H	Baumé Scale, Light Liquids, 80° to 90° . . . . . . $\frac{1}{10}$° graduations.	Ahrbi
	Calcium Chloride Salometer (*page 93*).	
	Calciometer (*page 93*).	
	Chargometers (*page 155*).	
	Coal Oil (*write for Catalog Part 1700, giving complete line of Oil Instruments*).	
†S No. 1539	Condensed Milk, Specific Gravity Scale, 1.040 to 1.080. . . .001 graduations. Temperature 142°-142° F. 9 inches long.	Akusu
†S No. 1540	Condensed Milk, Baumé Scale, 0° to 15° . . . . . . $\frac{1}{10}$° graduations.	Akuyn
†S No. 1545	Evaporated Milk, Baumé Scale, 5° to 15°. . . . . . $\frac{1}{10}$° graduations.	Akuzt
	Glue (*pages 103 and 146*).	
	Liquor Test Sets (*pages 148 and 149*).	
	Milk (*page 79*).	
	Salt (*pages 93, 103 and 152*).	
	Sea Water (*page 105*).	
†S No. 1552	Specific Gravity Scale, Heavy Liquids, 1.000 to 2.000. . . .01 graduations.	Ahrce
†S No. 1553	Specific Gravity Scale, Heavy Liquids, 1.000 to 1.200 . . . .005 graduations.	Ahrez
†S No. 1553A	Specific Gravity Scale, Heavy Liquids, 1.200 to 1.400. . . . .005 graduations.	Ahrfa
†S No. 1553B	Specific Gravity Scale, Heavy Liquids, 1.400 to 1.600 . . . .005 graduations.	Ahrgo
†S No. 1553D	Specific Gravity Scale, Heavy Liquids, 1.600 to 1.800 . . . .005 graduations.	Ahrig
†S No. 1553E	Specific Gravity Scale, Heavy Liquids, 1.800 to 2.000 . . . .005 graduations.	Ahruj
†S No. 7118	Specific Gravity Scale, Heavy Liquids, 1.000 to 1.100 . . . .002 graduations.	Ahrxu
†S No. 7118A	Specific Gravity Scale, Heavy Liquids, 1.100 to 1.200. . . . .002 graduations.	Ahryd
†S No. 7118B	Specific Gravity Scale, Heavy Liquids, 1.200 to 1.300. . . . .002 graduations.	Ahsax
†S No. 7118D	Specific Gravity Scale, Heavy Liquids, 1.300 to 1.400. . . . .002 graduations.	Ahsem

NOTE—The "S" before the numbers indicates "shot-weighted."

Hydrometers—Continued

Plain (Without Thermometers)

Tycos-Quality

Hand-written scales marked *Tycos* our Registered Trade Mark
Temperature at which standardized (unless otherwise stated) 60° F.
Approximate lengths (unless otherwise stated) are: Plain Hydrometer, 11 inches. Thermo-Hydrometer, 16 inches over all.
Packed each in a box, ½ dozen in a carton

		CODE WORD
†S No. 7118E	Specific Gravity Scale, Heavy Liquids, 1.400 to 1.500 . . . .002 graduations.	Ahsij
†S No. 7118F	Specific Gravity Scale, Heavy Liquids, 1.500 to 1.600 . . . .002 graduations.	Ahsog
†S No. 7118G	Specific Gravity Scale, Heavy Liquids, 1.600 to 1.700 . . . .002 graduations.	Ahsyl
†S No. 7118H	Specific Gravity Scale, Heavy Liquids, 1.700 to 1.800 . . . .002 graduations.	Ahtaj
†S No. 7118J	Specific Gravity Scale, Heavy Liquids, 1.800 to 1.900 . . . .002 graduations.	Ahtex
†S No. 7118K	Specific Gravity Scale, Heavy Liquids, 1.900 to 2.000 . . . .002 graduations.	Ahtiv
†S No. 7120	Specific Gravity Scale, Heavy Liquids, 1.000 to 1.050 . . . .001 graduations.	Ahtju
†S No. 7120A	Specific Gravity Scale, Heavy Liquids, 1.050 to 1.100 . . . .001 graduations.	Ahtka
†S No. 7120B	Specific Gravity Scale, Heavy Liquids, 1.100 to 1.150 . . . .001 graduations.	Ahtvo
†S No. 7120D	Specific Gravity Scale, Heavy Liquids, 1.150 to 1.200 . . . .001 graduations.	Ahtwe
†S No. 7120E	Specific Gravity Scale, Heavy Liquids, 1.200 to 1.250 . . . .001 graduations.	Ahtxi
†S No. 7120F	Specific Gravity Scale, Heavy Liquids, 1.250 to 1.300 . . . .001 graduations.	Ahtyb
†S No. 7120G	Specific Gravity Scale, Heavy Liquids, 1.300 to 1.350 . . . .001 graduations.	Ahuaf
†S No. 7120H	Specific Gravity Scale, Heavy Liquids, 1.350 to 1.400 . . . .001 graduations.	Ahude
†S No. 7120J	Specific Gravity Scale, Heavy Liquids, 1.400 to 1.450 . . . .001 graduations.	Ahueg
†S No. 7120K	Specific Gravity Scale, Heavy Liquids, 1.450 to 1.500 . . . .001 graduations.	Ahuhr
†S No. 7120L	Specific Gravity Scale, Heavy Liquids, 1.500 to 1.550 . . . .001 graduations.	Ahuit
†S No. 7120N	Specific Gravity Scale, Heavy Liquids, 1.550 to 1.600 . . . .001 graduations.	Ahuja
†S No. 7120P	Specific Gravity Scale, Heavy Liquids, 1.600 to 1.650 . . . .001 graduations.	Ahuli
†S No. 7120R	Specific Gravity Scale, Heavy Liquids, 1.650 to 1.700 . . . .001 graduations.	Ahzic
†S No. 7120U	Specific Gravity Scale, Heavy Liquids, 1.700 to 1.750 . . . .001 graduations.	Ahzob
†S No. 7120W	Specific Gravity Scale, Heavy Liquids, 1.750 to 1.800 . . . .001 graduations.	Ahzux
†S No. 7120Y	Specific Gravity Scale, Heavy Liquids, 1.800 to 1.850 . . . .001 graduations.	Ahzwi
†S No. 1554A	Specific Gravity Scale, Heavy Liquids, 1.850 to 1.900 . . . .001 graduations.	Ahzym
†S No. 1554B	Specific Gravity Scale, Heavy Liquids, 1.900 to 1.950 . . . .001 graduations.	Ajabo

NOTE—The "S" before the numbers indicates "shot-weighted."

Hydrometers—Continued

Plain (Without Thermometers)

Tycos-Quality

Hand-written scales marked *Tycos*, our Registered Trade Mark
Temperature at which standardized (unless otherwise stated) 60° F.
Approximate lengths (unless otherwise stated) are: Plain Hydrometer, 11 inches. Thermo-Hydrometer, 16 inches over all.
Packed each in a box, ½ dozen in a carton

		CODE WORD
†S No. 1554D	Specific Gravity Scale, Heavy Liquids, 1.950 to 2.000 . . . .001 graduations.	Ajacy
†S No. 1555	Specific Gravity Scale, Light Liquids, 1.000 to 0.600 . . . .01 graduations.	Ajadi
†S No. 1555D	Specific Gravity Scale, Light Liquids, 1.000 to 0.800 . . . .005 graduations.	Ajaeb
†S No. 1555E	Specific Gravity Scale, Light Liquids, 0.800 to 0.600 . . . .005 graduations.	Ajafd
†S No. 1555H	Specific Gravity Scale, Light Liquids, 1.000 to 0.900 . . . .002 graduations.	Ajagg
†S No. 1555J	Specific Gravity Scale, Light Liquids, 0.900 to 0.800 . . . .002 graduations.	Ajahe
†S No. 1555K	Specific Gravity Scale, Light Liquids, 0.800 to 0.700 . . . .002 graduations.	Ajaif
†S No. 1555L	Specific Gravity Scale, Light Liquids, 0.700 to 0.600 . . . .002 graduations.	Ajaks
†S No. 7122	Specific Gravity Scale, Light Liquids, 1.000 to 0.950 . . . .001 graduations.	Ajamm
†S No. 7122A	Specific Gravity Scale, Light Liquids, 0.950 to 0.900 . . . .001 graduations.	Ajaoz
†S No. 7122B	Specific Gravity Scale, Light Liquids, 0.900 to 0.850 . . . .001 graduations.	Ajapa
†S No. 7122D	Specific Gravity Scale, Light Liquids, 0.850 to 0.800 . . . .001 graduations.	Ajarx
†S No. 7122E	Specific Gravity Scale, Light Liquids, 0.800 to 0.750 . . . .001 graduations.	Ajasu
†S No. 7122F	Specific Gravity Scale, Light Liquids, 0.750 to 0.700 . . . .001 graduations.	Ajauv
†S No. 7122G	Specific Gravity Scale, Light Liquids, 0.700 to 0.650 . . . .001 graduations.	Ajayn
†S No. 7124	Spirit, U. S. I. R. Scale, No. 1, 0° to 100° . . . . . 1° graduations, 8¾ inches long.	Ajazt
†S No. 7124A	Spirit, U. S. I. R. Scale, No. 2, 80° to 120° . . . . . ½° graduations, 8¾ inches long.	Ajbel
†S No. 7124B	Spirit, U. S. I. R. Scale, No. 3, 100° to 140° . . . . . ½° graduations, 8¾ inches long.	Ajcuy
†S No. 7124D	Spirit, U. S. I. R. Scale, No. 4, 130° to 170° . . . . . ½° graduations, 8¾ inches long.	Ajdar
†S No. 7124E	Spirit, U. S. I. R. Scale, No. 5, 160° to 200° . . . . . ½° graduations.	Ajdiz
†S No. 1566	Sugar, Balling Scale, 0° to 70° . . . . . 1° graduations.	Ahuns
†S No. 7130	Sugar, Balling Scale, 0° to 10° . . . . . ⅒° graduations.	Ahuol

NOTE—The "S" before the numbers indicates "shot-weighted."

Hydrometers—Continued

Plain (Without Thermometers)

Tycos-Quality

Hand-written scales marked *Tycos*, our Registered Trade Mark
Temperature at which standardized (unless otherwise stated) 60° F.
Approximate lengths (unless otherwise stated) are: Plain Hydrometer, 11 inches. Thermo-Hydrometer, 16 inches over all.
Packed each in a box, ½ dozen in carton

		CODE WORD
†S No. 7130A	Sugar, Balling Scale, 10° to 20°. $\frac{1}{10}$° graduations.	Ahupy
†S No. 7130B	Sugar, Balling Scale, 20° to 30°. $\frac{1}{10}$° graduations.	Ahurz
†S No. 7130D	Sugar, Balling Scale, 30° to 40°. $\frac{1}{10}$° graduations.	Ahusd
†S No. 7130E	Sugar, Balling Scale, 40° to 50°. $\frac{1}{10}$° graduations.	Ahuwu
†S No. 7130F	Sugar, Balling Scale, 50° to 60°. $\frac{1}{10}$° graduations.	Ahval
†S No. 7130G	Sugar, Balling Scale, 60° to 70°. $\frac{1}{10}$° graduations.	Ahver
†S No. 7130H	Sugar, Balling Scale, 70° to 80°. $\frac{1}{10}$° graduations.	Ahvis
†S No. 7130J	Sugar, Balling Scale, 80° to 90°. $\frac{1}{10}$° graduations.	Ahvop
†S No. 7134	Sugar, Brix Scale, 0° to 10°. $\frac{1}{10}$° graduations; temperature 17½° C.	Ahvun
†S No. 7134A	Sugar, Brix Scale, 10° to 20°. $\frac{1}{10}$° graduations; temperature 17½° C.	Ahwad
†S No. 7134B	Sugar, Brix Scale, 20° to 30°. $\frac{1}{10}$° graduations; temperature 17½° C.	Ahwec
†S No. 7134D	Sugar, Brix Scale, 30° to 40°. $\frac{1}{10}$° graduations; temperature 17½° C.	Ahwov
†S No. 7134E	Sugar, Brix Scale, 40° to 50°. $\frac{1}{10}$° graduations; temperature 17½° C.	Ahwus
†S No. 7134F	Sugar, Brix Scale, 50° to 60°. $\frac{1}{10}$° graduations; temperature 17½° C.	Ahydd
†S No. 7134G	Sugar, Brix Scale, 60° to 70°. $\frac{1}{10}$° graduations; temperature 17½° C.	Ahyle
†S No. 7134H	Sugar, Brix Scale, 70° to 80°. $\frac{1}{10}$° graduations; temperature 17½° C.	Ahyot
†S No. 7134J	Sugar, Brix Scale, 80° to 90°. $\frac{1}{10}$° graduations; temperature 17½° C.	Ahyrs
†S No. 7138	Sugar, Brix Scale, minus 5° to +5°. $\frac{1}{10}$° graduation; temperature 17½° C. For waste and wash water.	Ahysi
†S No. 7138D	Sugar, Brix Scale, 5° to 15°. $\frac{1}{10}$° graduations, temperature 17½° C. For waste and wash water.	Ahzav
†S No. 7138E	Sugar, Brix Scale, 15° to 25°. $\frac{1}{10}$° graduations, temperature 17½° C. For use in "Tare" room.	Ahzew
†S No. 1582	Sulphuric Acid, Specific Gravity Scale, 1.800 to 1.850. .001 graduations. For Babcock's test. 7-inches long.	Ajdod

NOTE—The "S" before the numbers indicates "shot weighted."

Hydrometers—Continued

Plain (Without Thermometers)

Tycos-Quality

Hand-written scales marked *Tycos*, our Registered Trade Mark
Temperature at which standardized (unless otherwise stated) 60° F.
Approximate lengths (unless otherwise stated) are: Plain Hydrometer, 11 inches
Thermo-Hydrometer, 16 inches over all.
Packed each in a box, ½-dozen in a carton

No. 7152B
(About one-third actual size)

Syrup, Baumé Scale, (*page 96*).
Tank Water, Baumé Scale, (*page 103*).

		CODE WORD
†S No. 1592	Twaddle Scale, No. 1, 0° to 24° ..... ½° graduations.	Ajduf
†S No. 1592A	Twaddle Scale, No. 2, 24° to 48° ..... ½° graduations.	Ajeaz
†S No. 1592B	Twaddle Scale, No. 3, 48° to 72° ..... ½° graduations.	Ajeca
†S No. 1592D	Twaddle Scale, No. 4, 72° to 100° ..... ½° graduations.	Ajedu
†S No. 1592E	Twaddle Scale, No. 5, 100° to 134° ..... ½° graduations.	Ajeep
†S No. 1592F	Twaddle Scale, No. 6, 134° to 180° ..... ½° graduations.	Ajegd

NOTE—"S" prefixed to number indicates "shot-weighted."

Extras

SYMBOL		
C	Added to number designates "certified"	Ajeim
T	Added to number designates "thermometer combined with hydrometer"	Ajeni

Thermo-Hydrometers

(Thermometer and Hydrometer Combined in one Instrument)

Tycos-Quality

Hand-written scales marked *Tycos*, our Registered Trade Mark
Temperature at which standardized (unless otherwise stated) 60° F.
Approximate lengths (unless otherwise stated) are: Plain Hydrometer, 11 inches.
Thermo-Hydrometer, 16 inches over all.
Packed each in a box, ½-dozen in a carton

		CODE WORD
†M No. 7150	Barkometer Scale, 0° to 70° (1.000 to 1.070, Specific Gravity) ..... 1° graduations, 13 inches long. With correction scale.	Ajeos
†M No. 7152B	Beer, Balling Scale, 0° to 24° ..... $\frac{1}{10}$° graduations, temperature 14° R., 16 inches long. With correction scale.	Ajete
	Coal Oil, Baumé Scale (*write for Catalog Part 1700 giving complete line of Oil Instruments*).	
†M No. 1638	Glucometer, Dry Glue Per Cent. Scale, 0° to 55°. 1° graduations, 12 inches long. Can be used at any temperature. Shows the per cent. of dry glue in any glue solution. Temperature scale in top of stem where it can always be read. Directions for use in body.	Ajeul
†M No. 1640	Glue, Baumé Scale, 0° to 35° ..... ½° graduations, temperature 150° F., 13 inches long, with correction scale.	Ajewt
†M No. 7164	Lactometer Scale, 0° to 120° ..... Spence New York State Dairy Commission Pattern, for milk. 2° graduations, 13 inches long, thermometer in stem, with correction scale and certificate.	Afozy

NOTE—"M" prefixed to number indicates "mercury-weighted."

Thermo-Hydrometers—Continued

(Thermometer and Hydrometer Combined)

Tycos-Quality

No. 1638
(About five-twelfths actual size)

No. 7164
(About one-half actual size)

No. 7168
(About one-half actual size)

No. 1648
(About two-fifths actual size)

(Described on pages 146 and 148)

Hydrometers—Continued

Thermo-Hydrometers—Continued
(Thermometer and Hydrometer Combined)

Tycos-Quality

Hand-written scales marked *Tycos*, our Registered Trade Mark
Temperature at which standardized (unless otherwise stated) 60° F.
Approximate length (unless otherwise stated) are: Plain Hydrometer, 11 inches. Thermo-Hydrometer, 16 inches.
Packed each in a box, ½-dozen in a carton

CODE WORD

†M No. 7168 Lactodensimeter Scale, 14° to 42° (1.014 to 1.042 Specific Gravity) . . . . . **Afpal**
Quevenne pattern, for milk. 1° graduations, 13-inches long, thermometer in top of stem, with certificate.

†M No. 7168A Lactodensimeter . . . . . **Afper**
Same as No. 7168, except 9 inches long.

Milk, (*see Lactometer and Lactodensimeter*).

Mineral Oil, Baumé Scale, with correction scale, (*write for Catalog Part 1700, giving complete line of Oil Instruments*).

Oil, (*see Mineral Oil*).

Petroleum, (*see Mineral Oil*).

Saccharometers, (*see Beer and Sugar*).

†M No. 1643 Salt Salometer Scale, 0° to 100° . . . . . **Ajfle**
1° graduations, 14 inches long, with correction scale.

Solidimeter, (*see Vinegar*).

†M No. 1648 Varnish, Baumé and Specific Gravity Scales . . . . . **Ajfot**
10° to 80° Baumé, 1.000 to 0.666 Specific Gravity, graduated 1° Baumé, .005 Specific Gravity, thermometer scale in stem, 17 inches long.

†M No. 7182 Vinegar Solidimeter Scale, 0° to 6° . . . . . **Ajgey**
$\frac{1}{10}$° graduation, temp. 70° F. 12 inches long. Used by the New York State Department of Agriculture for determining the per cent. of solids in vinegar stock, with correction scale.

NOTE—"M" prefixed to number indicates "mercury-weighted."

Tycos Liquor Test Sets

Hand-written scales marked *Tycos*, our Registered Trade Mark

†No. 7190 *Tycos* Liquor Test Set . . . . . **Ajgyt**
For spirits, consisting of five 8¾-inch U. S. Internal Revenue Pattern Stems: 0° to 100°, 80° to 120°, 100° to 140°, 130° to 170°, and 160° to 200°. Temperature 60° F. The set includes one 8-inch copper can with thermometer and is packed in our new *Tycos*-pattern patented carrying case, which is much more convenient than the old-style case, and which also reduces breakage to a minimum.
Set complete in case with copy of U. S. Internal Revenue Gauger's Manual.
NOTE—These stems are standardized against instruments certified for us by the U. S. Bureau of Standards.

†No. 7192 *Tycos* Liquor Test Set . . . . . **Ajhap**
For spirits, consisting of five 8¾-inch United States Internal Revenue Pattern Stems: 0° to 100°, 80° to 120°, 100° to 140°, 130° to 170° and 160° to 200°. Temperature 60° F. Includes one 8-inch copper can, with thermometer. The set is packed in the regular Government style carrying case, of selected black walnut, chamois lined, with copy of United States Internal Revenue Gauger's Manual.
NOTE—These stems are standardized against instruments certified for us by the United States Bureau of Standards.

†No. 7192A United States Internal Revenue Gauger's Manual . . . . . **Ajhox**

Extras for Above

†Certificates for four points on each stem . . . . . **Ajhud**

Hydrometers—Continued

Tycos Wine Test Set

Plain (Without Thermometer)

Tycos-Quality

Hand-written scales marked *Tycos*, our Registered Trade Mark

CODE WORD

†No. 1656 *Tycos* Wine-Test Set . . . . . **Ajhyg**
Set of five, 8½-inch spirit stems, hand-written, per cent. of alcohol (Tralle) scale, 0° to 5°, 5° to 10°, 10° to 15°, 15° to 20° and 20° to 25°, $\frac{1}{10}$° graduations. Temperature 60° F. Contained in velvet-lined leather-covered case, 10 inches by 8½ inches.

Single Instruments for the above Set

†S No. 1556 *Tycos* Spirit Hydrometer . . . . . **Ajiac**
Per cent of alcohol by volume (Tralle) scale 0° to 5°, $\frac{1}{10}$° graduations. Temperature 60° F. 8½ inches long. Shot weighted.

†S No. 1556A *Tycos* Spirit Hydrometer . . . . . **Ajibi**
Same as No. 1556, except 5° to 10°.

†S No. 1556B *Tycos* Spirit Hydrometer . . . . . **Ajice**
Same as No. 1556, except 10° to 15°.

†S No. 1556D *Tycos* Spirit Hydrometer . . . . . **Ajiez**
Same as No. 1556, except 15° to 20°.

†S No. 1556E *Tycos* Spirit Hydrometer . . . . . **Ajifa**
Same as No. 1556, except 20° to 25°.

Tycos Brewer's Test Set

Hand-written scales marked *Tycos*, our Registered Trade Mark

CODE WORD

†No. 1658 *Tycos* Brewer's-Test Set . . . . . **Ajigo**
Set of three, 10-inch Normal Balling's Saccharometers, hand-written scale 0° to 8°, 8° to 16° and 16° to 24°; graduated in $\frac{1}{10}$°, combined with thermometers and correction scales. Standardized at temperature 14° R. Contained in velvet-lined, leather-covered case, 11½ inches by 4 inches by 1½ inches.

†No. 1658C *Tycos* Brewer's-Test Set . . . . . **Ajils**
Same as above, except with certificate for each instrument.

Single Instruments for Sets Nos. 1658, 1658C

†M No. 1660 *Tycos* Balling's Saccharometer . . . . . **Ajinv**
Ten-inch stem, 0° to 8°, in $\frac{1}{10}$° graduations. Temperature 14° R., with thermometer and correction scale.

†M No. 1660C *Tycos* Balling's Saccharometer . . . . . **Ajirf**
Same as No. 1660, except with certificate.

†M No. 1662 *Tycos* Balling's Saccharometer . . . . . **Ajisr**
Same as No. 1660, except 8° to 16°.

†M No. 1662C *Tycos* Balling's Saccharometer . . . . . **Ajixu**
Same as No. 1662, except with certificate.

†M No. 1664 *Tycos* Balling's Saccharometer . . . . . **Ajkal**
Same as No. 1660, except 16° to 24°.

†M No. 1664C *Tycos* Balling's Saccharometer . . . . . **Ajker**
Same as No. 1664, except with certificate.

Hydrometers—Continued

Plain (Without Thermometers)

Taylor-Quality (Medium Grade)

Temperature at which standardized (unless otherwise stated) 60° F.
Approximate lengths (unless otherwise stated) are: Plain Hydrometer 11 inches; Thermo-Hydrometer 16 inches.
Packed each in a box, ½-dozen in a carton

		CODE WORD
	Acid, (*see Baumé Scale for Heavy Liquids*).	
S No. 7202	Acid, Specific Gravity Scale 1.800 to 1.850 ..... .001 graduations. Used in Babcock's milk test. Six inches long.	**Afros**
M No. 7204	Actinometer Scale 0° to 80° ..... 1° graduations, five inches long. With test jar, in wooden case.	**Ajkne**
	Alcohol, (*see Spirit.*)	
S No. 7206	Alkali, Baumé Scale 0° to 60° ..... 1° graduations.	**Ajkop**
S No. 7210	Barkometer Scale 0° to 65° (1.000 to 1.065 Sp. Gr.) ..... 1° graduations.	**Ajlaw**
S No. 7214A	Battery, Specific Gravity Scale 1.150 to 1.300 ..... .01 graduations. Temperature 70° F.; with glass projections on sides of body to prevent capillary attraction. Four inches long. (Used in No. 7402.)	**Ajlev**
S No. 7214B	Battery, Specific Gravity Scale 1.150 to 1.300 ..... .01 graduations. Temperature 70° F. 3½ inches long. (Used in No. 7404.)	**Ajlib**
S No. 7220	Baumé Scale, Heavy Liquids, 0° to 70° ..... 1° graduations.	**Ajloc**
S No. 7222	Baumé Scale, Heavy Liquids, 0° to 35° ..... ½° graduations.	**Ajlup**
S No. 7222A	Baumé Scale, Heavy Liquids, 35° to 70° ..... ½° graduations.	**Ajlyk**
	Baumé and Specific Gravity Scales for Heavy Liquids (*See also Nos. 7232 below and 7272, page 153*).	
S No. 7223	Baumé Scale, Light Liquids, 10° to 100° ..... 1° graduations.	**Ajmaj**
	Baumé and Specific Gravity Scales for Light Liquids (*See also Nos. 7238, page 152 and 7272, page 153*).	
	Benzine, (*see Gasoline*). (*S No. 7230 and S No. 7230A below*).	
S No. 7224	Calcium Chloride Salometer, 0° to 120° ..... 1° graduations.	**Ajmex**
	Chargometer (*page 155*).	
	Coal Oil, (*see Baumé Scale for Light Liquids*).	
	Coal Oil, Baumé Scale Gasoline (*S No. 7230 and S No. 7230A below*).	
S No. 7230	Gasoline, Baumé Scale, 40° to 90° ..... 1° graduations.	**Ajmiv**
S No. 7230A	Gasoline, Baumé Scale, 40° to 90° ..... 1° graduations. 5 inches long, with test jar in wooden case.	**Ajnic**
S No. 7232	Heavy Liquids, Baumé and Specific Gravity Scales ..... 0° to 70°, Baumé, in 1° graduations, and 1.000 to 1.900 Sp. Gr., in .01 graduations.	**Ajnob**
	Heavy liquids, (*see Baumé and Specific Gravity*).	

NOTE—"S" prefixed to numbers designates "shot weighted"

Hydrometers—Continued

Plain (Without Thermometers)

Taylor-Quality (Medium Grade)

M No. 7294
(Page 154)
About one-third
actual size)

S No. 7244
(Page 152)
(About one-half
actual size)

S No. 7230
(Page 150)
(About one-half
actual size)

S No. 7220
(Page 150)
(About one-half
actual size)

No. 7261
(Page 152)
(Actual size)

Hydrometers—Continued

Plain (Without Thermometers)

Taylor-Quality (Medium Grade)

Temperature at which standardized (unless otherwise stated) 60° F.
Approximate lengths (unless otherwise stated) are: Plain Hydrometer 11 inches; Thermo-Hydrometer 16 inches.
Packed each in a box, ½-dozen in a carton

		CODE WORD
S No. 7234	Lactometer Scale, 0° to 120° New York Board of Health Pattern, for milk. 2° graduations.	**Afrep**
S No. 7236	Lactodensimeter Scale, 14° to 42° (1.014 to 1.042 Sp. Gr.) Quevenne Pattern, for milk. 1° graduations.	**Afrim**
S No. 7238	Light Liquids, Baumé and Specific Gravity Scales 10° to 100° Baumé, 1° graduations and 1.000 to 0.600 Sp. Gr., .005 graduations.	**Ajode**
	Light Liquids, (*see Baumé and Specific Gravity*).	
	Lime-Sulphur Sprayometer Set (*page 156*).	
S No. 7240	Li-Sul-Sprayometer, Baumé and Specific Gravity Scales New York and Pennsylvania Pattern, 0° to 38° Baumé, ½° graduations, 1.000 to 1.350 Sp. Gr., .005 graduations.	**Ajoeg**
	Maple Syrup (*See Nos. 7268 and 7268A*)	
	Milk (*page 79*).	
S No. 7242	Salinometer, Special Sea-water Scale, 0° to 4/9° Temperature 190°, 200° and 210° Fahrenheit.	**Ajohr**
S No. 7244	Salt Salometer, 0° to 100° 1° graduations.	**Ajoit**
S No. 7248	Specific Gravity Scale, Heavy Liquids, 1.000 to 2.000 .01 graduations.	**Ajoli**
S No. 7252	Specific Gravity Scale, Light Liquids, 1.000 to 0.700 .005 graduations.	**Ajons**
S No. 7258	Spirit, Proof and Tralle Scale 100° below to 100° above Proof; 0° to 100° Tralle, in 1° graduations.	**Ajoll**
S No. 7261	Sugarmeter (Balling's Saccharometer) Scale 0° to 60° 2° graduations, 5½ inches long.	**Ajopy**
S No. 7262	Sugar, Balling Scale, 0° to 70° 1° graduations.	**Ajorz**
S No. 7264	Sugar, Brix Scale, 0° to 30° ½° graduations. Temp. 17½° C.	**Ajosd**
S No. 7264A	Sugar, Brix Scale, 30° to 60° ½° graduations. Temp. 17½° C.	**Ajoto**
S No. 7264B	Sugar, Brix Scale, 60° to 90° ½° graduations. Temp. 17½° C.	**Ajouk**
S No. 7266	Syrup, Baumé Scale, 0° to 50° 1° graduations.	**Ajowu**
S No. 7268	Syrup (Maple), Baumé Scale, 0° to 50° 1° graduations. Marked "syrup, 11 lbs. net to the gallon"; at 32° for hot syrup, 36° for cold syrup. Nine inches long.	**Ajrax**
SNo. 7268A	Syrup (Maple) Baumé Scale, 25° to 40° ½° graduations. Marked same as No. 7268. Eight inches long.	**Ajrem**
SNo. 7270	Twaddle Scale, No. 1, 0° to 24° ½° graduations.	**Ajrog**

NOTE—"S" prefixed to numbers designates "shot-weighted."

Hydrometers—Continued

Plain (Without Thermometers)

Taylor-Quality (Medium Grade)

Temperature at which standardized (unless otherwise stated) 60° F.

Approximate lengths (unless otherwise stated) are: Plain Hydrometer, 11 inches. Thermo-Hydrometer, 16 inches over all.

Packed each in a box, ½ dozen in carton.

CODE WORD

S No. 7270A Twaddle Scale, No. 2, 24° to 48° ..... **Ajryl**
½° graduations.

S No. 7270B Twaddle Scale, No. 3, 48° to 72° ..... **Ajsab**
½° graduations.

S No. 7270D Twaddle Scale, No. 4, 72° to 100° ..... **Ajsen**
½° graduations.

S No. 7270E Twaddle Scale, No. 5, 100° to 134° ..... **Ajsix**
½° graduations.

CODE WORD

S No. 7270F Twaddle Scale, No. 6, 134° to 180° ..... **Ajsuc**
½° graduations.

S No. 7272 Taylor Universal Hydrometer ..... **Ajtam**
Baumé and Specific Gravity Scales, 0° to 70°, and 10° to 100° Baumé 1° graduation; and 0.700 to 1.900 Sp. Gr., .005 graduation; Sp. Gr. light; and .001 graduation, Sp. Gr. heavy. Fifteen inches long.

NOTE—"S" prefixed to numbers designates "shot-weighted."

SYMBOL

Extras

T Added to number, designates "thermometer combined with hydrometer" ..... **Ajeni**

M No. 7286
(About Actual size)

Thermo-Hydrometers

(Thermometer and Hydrometer combined in one Instrument)

Taylor-Quality (Medium Grade)

Temperature at which standardized (unless otherwise stated) 60° F.

Approximate lengths (unless otherwise stated) are: Plain Hydrometer, 11 inches. Thermo-Hydrometer, 16 inches over all.

Packed each in a box, ½-dozen in a carton

Alcohol, (*see Spirit*).

CODE WORD

M No. 7286 Freezometer ..... **Ajtet**
Special Scale, showing the freezing point of automobile radiator solutions made from denatured alcohol, range —50° to +30° F., in 5° graduations with correction scale for temperature, in nickel case, with test jar. Seven inches long.

M No. 7286A Freezometer ..... **Ajtra**
Same as No. 7286, except in wooden case, with test jar.

M No. 7288 Gasoline Baumé Scale, 40° to 90° ..... **Ajtys**
1° graduations, six inches long, with correction scale, in nickel case, with test jar.

M No. 7288A Gasoline Hydrometer ..... **Ajuag**
Same as No. 7288, except in wooden case, with test jar.

M No. 7290 Lactometer Scale, 0° to 120° ..... **Afrul**
Spence New York State Dairy Commission Pattern, for milk, 2° graduations, twelve inches long. Thermometer in stem, with correction scale.

M No. 7292 Lactodensimeter Scale, 14° to 42° (1.014 to 1.042 Specific Gravity) ..... **Afsas**
Quevenne Pattern, for milk, in 1° graduations, thirteen inches long. Thermometer in top of stem.

NOTE—"M" preceding the number designates mercury-weighted.

M No. 7288
(About Actual size)

Thermo-Hydrometers—Continued

(Thermometer and Hydrometer combined in one Instrument)

Taylor-Quality (Medium Grade)

Temperature at which standardized (unless otherwise stated) 60° F.
Approximate lengths (unless otherwise stated) are: Plain Hydrometer 11 inches; Thermo-Hydrometer 16 inches over all.
Packed each in a box, ½-dozen in a carton

CODE WORD

M No. 7292A Lactodensimeter . . . . . **Afsek**
Same as No. 7292, except 9 inches long.

Milk, (*see Lactometer and Lactodensimeter*).

Proof Scale, (*see Spirit*).

M No. 7294 Spirit, Proof and Tralle Scales . . . . . **Ajuft**
United States Custom House, 100° below to 100° above Proof, 0° to 100° Tralle, in 1° graduations, 18 inches long with correction scale.

Tralle Scale, see Spirit.

NOTE—"M" preceding the number designates "mercury-weighted."

Hydrometers

Plain (Without Thermometers)

Ordinary Grade (Printed Scales)

Temperature at which standardized (unless otherwise stated) 60°F.
Approximate lengths (unless otherwise stated) are: Plain Hydrometer 11 inches; Thermo-Hydrometer 16 inches over all.
Packed each in a box, ½-dozen in a carton.

Acid, (*see Baumé Scale for Heavy Liquids*).

CODE WORD

S No. 7316 Battery, Baumé and Specific Gravity Scales . . . . . **Ajulp**
0° to 40° Baumé, in 1° graduations, 1.000 to 1.300 Sp. Gr., in .005 graduations. 5 inches long. In wooden case with test jar.

S No. 7320 Baumé Scale, Heavy Liquids, 0° to 70° . . . . . **Ajunx**
1° graduations.

S No. 7324 Baumé Scale, Light Liquids, 10° to 100° . . . . . **Ajuok**
1° graduations.

S No. 7328 Baumé and Specific Gravity Scale, Heavy Liquids . . . . . **Ajurv**
0° to 70° Baumé, in 1° graduations, 1.000 to 2.000 Sp. Gr., in .01 graduations.

S No. 7332 Baumé and Specific Gravity Scale, Light Liquids . . . . . **Ajuso**
10° to 100° Baumé, in 1° graduations, 1.000 to 0.600 Sp. Gr., in .005 graduations.

Coal Oil, (*see Baumé Scale for Light Liquids*).

S No. 7360 Lactometer, Per Cent Scale, for Milk, 0° to 120° . . . . . **Ajuvd**
2° graduations

Lye, (*see Alkali*).

Milk, (*see Lactometer*).

S No. 7372 Salt Salometer Scale, 0° to 100° . . . . . **Ajuyf**
1° graduations.

S No. 7376 Spirit, Proof and Tralle Scales . . . . . **Ajvas**
100° below to 100° above Proof, 0° to 100° Tralle, in 1° graduations.

S No. 7380 Syrup, Baumé Scale, 0° to 50° . . . . . **Ajvek**
1° graduations.

NOTE—"S" prefixed to numbers designates "shot-weighted."

Chargometers

(Battery Hydrometer Syringes)

The chargometer is a gauge for determining the state of charge in a storage battery. By its use the exact strength of the battery is known and the inconvenience occasioned by exhausted batteries is prevented.

No. 7400
(About two-fifths actual size)

Tycos-Quality (Best Grade)

CODE WORD

No. 7400 *Tycos* Chargometer . . . . . **Ajvir**

Specific Gravity Scale 1.150 to 1.300, in .005 graduations. Temperature 60°F. Best quality rubber bulb, rubber buffers in ends of glass body, to prevent breakage of hydrometer; length over-all 14 inches. Each packed in well-finished, slide-cover wood box, with full directions for use.

Taylor-Quality (Medium Grade)

No. 7402 *Taylor* Chargometer . . . . . **Ajvum**

Specific Gravity Scale 1.150 to 1.300, in .01 graduations. Temperature 70°F. Good quality rubber bulb, with rubber buffers to prevent breakage of hydrometer; length over-all, 12 inches. Each packed in a cardboard box, with full directions for use.

Taylor-Quality (Medium Grade)

CODE WORD

No. 7404 *Taylor* Chargometer . . . . . **Ajvyp**

This number is specially designed to carry in the tool kit of an automobile. Specific Gravity Scale 1.150 to 1.300, in .01 graduations. Temperature 70°F. Good-quality rubber bulb, with rubber buffers to prevent breakage of hydrometer; length over-all 10 inches. Each packed in a very strong cardboard cylinder-form container, with metal bottom and metal screw-cover, which may be safely carried with other tools without breakage. Full directions for use.

NOTE—Price quoted on request for separate parts of either of the above.

No. 7404
(About two-fifths actual size)

Taylor-Rochester, Li-Sul-Sprayometer Set

S No. 7410
(About one-half actual size)

The State Agricultural Experiment Stations of New York and Pennsylvania have carefully compiled data from actual and exhaustive experiments regarding the most advisable forms of hydrometers to use in testing lime-sulphur spraying solution.

The "Taylor-Rochester" Li-Sul-Sprayometer set listed below is made to meet these specifications, and is an outfit that no orchardist can afford to be without.

Use and Care of Hydrometers

In using hydrometers in lime-sulphur solutions, care should be taken to see that the instrument is clean. After using, rinse instrument and jar, and put away where dust or dirt cannot accumulate on it. The wooden container furnished with these sets is especially designed to nail to the wall, making a convenient, safe and clean place for keeping the instrument when not in use. In making the test, the surface of the liquid should be free from dirt, dust, or other floating matter.

The reading on the instrument should be taken from the general surface of the liquid, not from the point on the stem to which the liquid is drawn by the capillary attraction. The true reading should be obtained by deducting the height to which the liquid rises around the stem from the actual surface of the liquid, in degrees of the hydrometer scale. The temperature of the liquid being tested should be 60° F., as this is the temperature at which the hydrometer is standardized.

Taylor-Quality (Medium Grade)

CODE WORD

S No. 7410 Taylor Li-Sul-Sprayometer Set . . . . . **Ajwam**

New York and Pennsylvania Pattern consisting of one 11-inch No. 7240 Hydrometer, Baumé and Specific Gravity Scales, 0° to 38° B., ½° graduation; 1.000 to 1.350 Sp. Gr., .005 graduations, temperature 60° F., with one 12-inch glass test jar. Packed in a wooden case, with full directions.

Price List in pocket on inside of front cover.

No. 7466D

No. 7448

No. 7458

(Illustrations about one-third actual size)

Metal Hydrometers

CODE WORD

No. 7422 *Tycos* Beer Hydrometer . . . . . **Ajwed**
Made of nickel-silver, about 10 inches long. Balling Scale, 0° to 24°, temperature 14° R., in ¼° graduations.

Copper Cans

No. 7448 *Tycos* Copper Hydrometer Can . . . . . **Ajwik**
With 8-inch silvered-brass scale thermometer. Approximate scale range 0° to 110° F., graduated in 1° divisions.

No. 7450 *Tycos* Copper Hydrometer Can . . . . . **Ajwof**
Same as No. 7448, except with ivory scale thermometer.

No. 7458 *Tycos* Heavy Planished-Copper Pot . . . . . **Ajwur**
With wood handle, 14 inches high.

Thermometers only, for Copper Cans

No. 7448A *Tycos* Silvered-Brass Scale Thermometer . . . . . **Ajxat**
Eight inches long. Approximate scale range 0° to 110° F., graduated in 1° divisions.

No. 7450A *Tycos* Ivory Scale Thermometer . . . . . **Ajxep**
Eight inches long. Approximate scale range 0° to 110° F., graduated in 1° divisions.

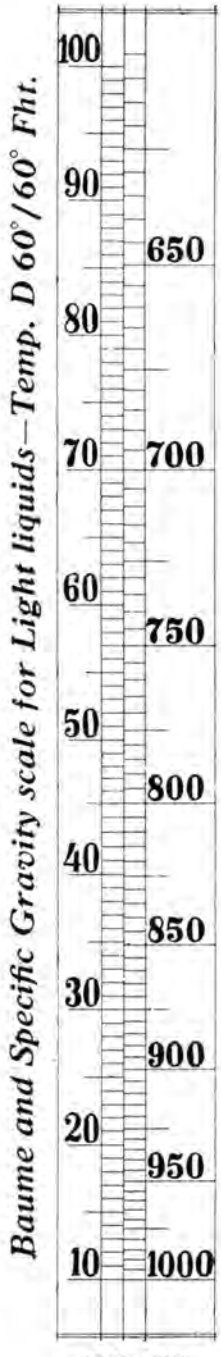
Glass Jars

Plain, with Foot and Pour-out

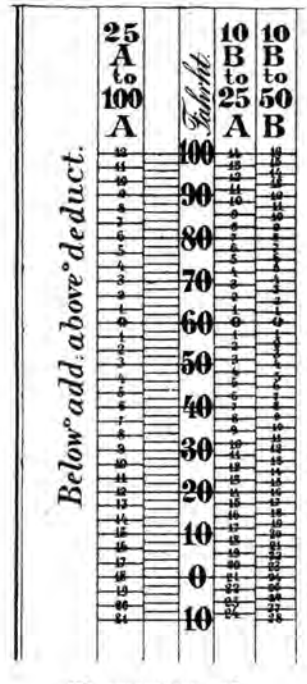
No.	7466A	7466B	7466C	7466D	7466E	7466F	7466G
Size	6-In. x 1-In.	8-In. x 1½-In.	10-In. x 2-In.	12-In. x 2-In.	14-In. x 2-In.	16-In. x 2-In.	18-In. x 2-In.
CODE WORD	**Ajxom**	**Ajxug**	**Ajyad**	**Ajybu**	**Ajyec**	**Ajymo**	**Ajyov**

Price List in pocket on inside of front cover.

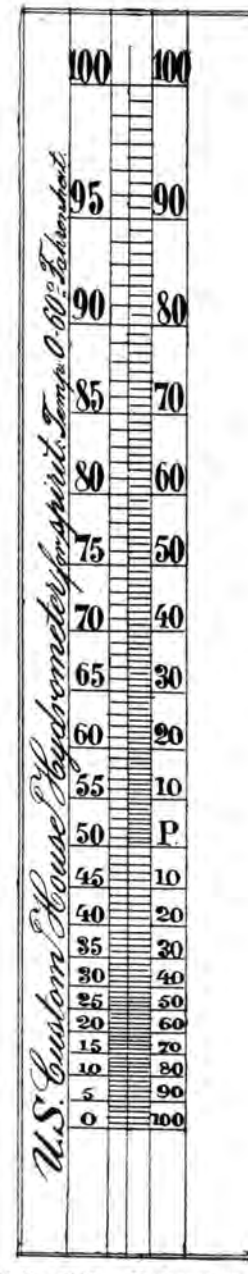
M No. 7232



M No. 7238



Thermometer and Correction Scales



M No. 7294 Hydrometer Scale

Specific Gravity Equivalents for Degrees Baumé for Liquids Heavier than Water

*Temperature 60°/60° F.

Table adopted by the U. S. Bureau of Standards from the formula °Baumé = $145 - \frac{145}{\text{Sp. Gr.}\frac{60^\circ}{60^\circ}\text{ F.}}$

Degrees Baumé	Specific Gravity 60°/60°F.	Pounds per Gallon	Degrees Baumé	Specific Gravity 60°/60° F.	Pounds per Gallon	Degrees Baumé	Specific Gravity 60°/60°F.	Pounds per Gallon
0	1.0000	8.328	30	1.2609	10.501	60	1.7059	14.207
1	1.0069	8.385	31	1.2719	10.592	61	1.7262	14.376
2	1.0140	8.445	32	1.2832	10.686	62	1.7470	14.549
3	1.0211	8.504	33	1.2946	10.781	63	1.7683	14.727
4	1.0284	8.565	34	1.3063	10.879	64	1.7901	14.908
5	1.0357	8.625	35	1.3182	10.978	65	1.8125	15.095
6	1.0432	8.688	36	1.3303	11.079	66	1.8354	15.285
7	1.0507	8.750	37	1.3426	11.181	67	1.8590	15.482
8	1.0584	8.814	38	1.3551	11.285	68	1.8831	15.683
9	1.0662	8.879	39	1.3679	11.392	69	1.9079	15.889
10	1.0741	8.945	40	1.3810	11.501	70	1.9333	16.101
11	1.0821	9.012	41	1.3942	11.611	71	1.9595	16.320
12	1.0902	9.079	42	1.4078	11.724	72	1.9863	16.542
13	1.0985	9.148	43	1.4216	11.839	73	2.0139	16.772
14	1.1069	9.218	44	1.4356	11.956	74	2.0423	17.009
15	1.1154	9.289	45	1.4500	12.076	75	2.0714	17.241
16	1.1240	9.361	46	1.4646	12.197	76	2.1015	17.502
17	1.1328	9.434	47	1.4796	12.322	77	2.1324	17.759
18	1.1417	9.508	48	1.4948	12.449	78	2.1642	18.034
19	1.1508	9.584	49	1.5104	12.579	79	2.1970	18.297
20	1.1600	9.660	50	1.5263	12.711			
21	1.1694	9.739	51	1.5426	12.849			
22	1.1789	9.818	52	1.5591	12.984			
23	1.1885	9.898	53	1.5761	13.126			
24	1.1983	9.979	54	1.5934	13.270			
25	1.2083	10.063	55	1.6111	13.417			
26	1.2185	10.148	56	1.6292	13.568			
27	1.2288	10.233	57	1.6477	13.722			
28	1.2393	10.321	58	1.6667	13.880			
29	1.2500	10.410	59	1.6860	14.041			

*All densities taken at temperature of 60° F. and referred to distilled water at 60° F. as standard.

Specific Gravity Equivalents for Degrees Baumé for Liquids Lighter than Water

*Temperature 60/60° F.

Table adopted by the U. S. Bureau of Standards, from the formula °Baumé $= \frac{140}{\text{Sp. Gr.}\ \frac{60°}{60°}\ \text{F.}} - 130$

Degrees Baumé	Specific Gravity 60°/60°F.	Pounds per Gallon	Degrees Baumé	Specific Gravity 60°/60°F.	Pounds per Gallon	Degrees Baume	Specific Gravity 60°/60°F.	Pounds per Gallon
10	1.0000	8.33	45	0.8000	6.66	80	0.6666	5.55
11	0.9929	8.27	46	0.7955	6.63	81	0.6635	5.52
12	0.9859	8.21	47	0.7909	6.59	82	0.6604	5.50
13	0.9790	8.16	48	0.7865	6.55	83	0.6573	5.48
14	0.9722	8.10	49	0.7821	6.52	84	0.6542	5.45
15	0.9655	8.04	50	0.7777	6.48	85	0.6511	5.42
16	0.9589	7.99	51	0.7735	6.44	86	0.6481	5.40
17	0.9524	7.93	52	0.7692	6.41	87	0.6451	5.38
18	0.9459	7.88	53	0.7650	6.37	88	0.6422	5.36
19	0.9396	7.83	54	0.7609	6.34	89	0.6392	5.33
20	0.9333	7.78	55	0.7568	6.30	90	0.6363	5.30
21	0.9272	7.72	56	0.7527	6.27	91	0.6335	5.28
22	0.9211	7.67	57	0.7487	6.24	92	0.6306	5.25
23	0.9150	7.62	58	0.7447	6.20	93	0.6278	5.23
24	0.9091	7.57	59	0.7407	6.17	94	0.6250	5.21
25	0.9032	7.53	60	0.7368	6.14	95	0.6222	5.18
26	0.8974	7.48	61	0.7329	6.11	96	0.6194	5.16
27	0.8917	7.43	62	0.7292	6.07	97	0.6167	5.14
28	0.8861	7.38	63	0.7254	6.04	98	0.6140	5.11
29	0.8805	7.34	64	0.7217	6.01	99	0.6113	5.09
30	0.8750	7.29	65	0.7179	5.98	100	0.6087	5.07
31	0.8696	7.24	66	0.7143	5.95	101	0.6060	5.05
32	0.8642	7.20	67	0.7107	5.92	102	0.6034	5.03
33	0.8589	7.15	68	0.7071	5.89	103	0.6008	5.00
34	0.8537	7.11	69	0.7035	5.86	104	0.5983	4.98
35	0.8485	7.07	70	0.7000	5.83	105	0.5957	4.96
36	0.8433	7.03	71	0.6965	5.80	106	0.5932	4.94
37	0.8383	6.98	72	0.6931	5.78	107	0.5907	4.92
38	0.8333	6.94	73	0.6897	5.75	108	0.5882	4.90
39	0.8285	6.90	74	0.6863	5.72	109	0.5858	4.88
40	0.8235	6.86	75	0.6829	5.69	110	0.5833	4.86
41	0.8187	6.82	76	0.6796	5.66			
42	0.8139	6.78	77	0.6763	5.63			
43	0.8092	6.74	78	0.6730	5.60			
44	0.8046	6.70	79	0.6698	5.58			

*All densities taken at temperature of 60° F. and referred to distilled water at 60° F. as standard.

METEOROLOGICAL INSTRUMENT PART

Barometers, Compasses, Rain Gauges, Stormographs, Thermographs, Etc.

Taylor Instrument Companies

Rochester, N. Y., U. S. A.

"Where *Tycos* Thermometers Come From"

Tycos Altitude Barometer

American Manufacture

No. 2075 C.K.

Exclusive Design. **Illustration Full Size.** **Weight 9 Ounces.**

The greatest disadvantage met with in the use of altitude barometers in the past has been that their altitude scales were unequally divided, and as a consequence they either had to be used with the zero of the scale at a fixed point and a sum worked out for correct readings, or the scales were made to revolve so the zero could be set at 0 feet. If used the latter way the readings were only approximate and the higher the altitude the greater the error.

The *Tycos* Altitude Barometer is direct-reading. The scales have been redesigned, the altitude scale being made in equal divisions. All chance of error is eliminated.

It is truly an American instrument for America, since the scales are designed from the U. S. Standard Tables and will be found correct at all points.

Extreme care is exercised in compensating it to offset temperature effects and we confidently recommend it as being an altitude barometer for the tourist, surveyor, geologist, engineer and all those to whom information on altitude is of interest or value.

CODE WORD

No. 2075CK *Tycos* Altitude Barometer . . . . . **Ajezo**
Best-grade movement, aluminum case, revolving altitude scale to 5,000 feet in 20 feet divisions, in leather sling velvet-lined carrying case.

No. 2075DK *Tycos* Altitude Barometer . . . . . **Ajfay**
Same as above, except reading to 10,000 feet in 50 feet divisions.

No. 2075FK *Tycos* Altitude Barometer . . . . . **Ajfil**
Same as above, except reading to 16,000 feet in 50 feet divisions.

NOTE—This instrument can be used as a highly sensitive weather forecaster.

NOTE—Complete instructions and forecasts accompany each barometer.

Tycos Aviation Altitude Barometer

(American Manufacture)

As supplied by us to U. S. Navy, U. S. Signal Corps, Bureau of Aircraft Production

No. 2082
(About two-thirds actual size)

A superlatively fine instrument, intended for the indication of the altitude of aircraft.

We have no hesitancy in saying that the *Tycos* Altimeter is the most perfectly adjusted and mechanically accurate instrument being offered today for this purpose.

The mechanism is delicately but ruggedly constructed and each instrument is subjected to a series of tests such as are encountered in actual use, before being finally passed by us. The mechanical compensation for temperature is effected in extremes of heat and cold, ensuring as perfect results as it is possible to obtain.

		CODE WORD
No. 2082 G	*Tycos* Altimeter. Reading to 20,000 feet.	**Akawt**
No. 2082 H	*Tycos* Altimeter. Reading to 25,000 feet.	**Akazo**
No. 2082 I	*Tycos* Altimeter. Reading to 30,000 feet.	**Akbey**

Extra for Radium Dials

Hand is painted; also figures at every 500 and 1000 foot division.
Descriptive letter "R".

20,000 foot dials	**Akbyt**
25,000 " "	**Amict**
30,000 " "	**Amiff**

Price List in pocket on inside of front cover.

Tycos Aviation Inclinometers

(American Manufacture)

No. 2085 B
(About one-half actual size)

CODE WORD

No. 2085 A *Tycos* Aeroplane Inclinometer . . . . . **Akdat**

Aluminum case 9½ inches long by $1\frac{1}{16}$ inches deep at center, with curved-glass tube filled with a red liquid, mounted across the top. Divisions on the front plate read to 10° in each direction. Lugs are provided on the main casing, so the instrument can be securely fastened to the fuselage. Weight 6 ounces.

No. 2085 B *Tycos* Aeroplane Inclinometer . . . . . **Akdef**

Same as No. 2085A, except reading to 20°.

No. 2086
(About three-fourths actual size)

As supplied by us to Bureau of Aircraft Production

This instrument is thoroughly recommended to fill all the requirements of an Aeroplane Inclinometer.

CODE WORD

No. 2086 *Tycos* Aeroplane Inclinometer . . . . . **Akdom**

Encased in a die-cast aluminum frame, 5¼ inches long by ½-inch deep, with curved-glass tube filled with very sensitive greenish-yellow liquid. Weight 2 ounces.

NOTE—The liquid used has an extremely low freezing point.

Tycos Brass Case Barometers

(American Manufacture)

No. 2200

No. 2202

(About one-half actual size)

CODE WORD

No. 2200 *Tycos* Brass Case Aneroid Barometer . . . . . **Akdri**

Lacquered-brass case, 5-inch diameter, beveled-glass cover, good-grade movement; closed, moisture-proof, untarnishable enamel dial. Packed in cardboard box. Weight 22 ounces.

No. 2202 *Tycos* Brass Case Aneroid Barometer . . . . . **Akdug**

Lacquered-brass case, 5-inch diameter, beveled-glass cover, better-grade movement (finished in brass lacquer) than No. 2200, open enamel dial. Packed in cardboard box. Weight 22 ounces.

No. 2205 *Tycos* Brass Case Aneroid Barometer . . . . . **Akdyr**

Same as No. 2200 except closed metal dial finely silvered and finished.

No. 2207 *Tycos* Brass Case Aneroid Barometer . . . . . **Akeag**

Same as No. 2200, except open metal dial finely silvered and finished, first-quality brass-lacquered movement.

NOTE—Nos. 2205 and 2207 can be supplied if so specified, at no extra charge, with dial engraved in the metric scale and with weather words in Spanish (code word *Akeci*) or with metric scale in addition to the inch scale and with weather words in Spanish (code word *Akeba*).

(See page 171 for extra for "Tycos Patented Folding Feet.")
(Page 192 for booklet "Practical Hints for the Amateur Weather Forecaster.")
(Page 190 for Barometer Instruction Chart and Weather Record.)

Tycos "Universal" and "Lifebuoy" Pattern Barometers

(American Manufacture)

No. 2224
(About one-half actual size)

These barometers have been constructed to combine strength and efficiency at a price to command a large sale.

Though the two patterns are in all respects the same in construction, the "Universal" is intended to reach the agricultural community, while the "Lifebuoy," as its title indicates, commends itself more particularly to mariners, fishermen, etc.

The case is of lacquered brass, japanned inside. Spread bevelled glass; enameled dial, unaffected by dampness or climatic changes.

A thoroughly sound, reliable instrument, at an attractive price.

CODE WORD

No. 2224 *Tycos* "Universal" Aneroid Barometer..... **Akedz**
Lacquered-brass case, 5-inch diameter, closed enamel dial, good-grade movement, beveled-glass cover. Packed in a cardboard box. Weight 22 ounces.

No. 2225 *Tycos* "Lifebuoy" Aneroid Barometer..... **Akeft**
Lacquered-brass case, 5-inch diameter, "Lifebuoy" Pattern; otherwise same as No. 2224.

NOTE—It is not necessary to expose barometers out of doors to get the best results. They should be kept in the house and in a place where the temperature remains fairly uniform.

(See page 171 for extra for "Tycos Patented Folding Feet.")
(Page 192 for booklet "Practical Hints for the Amateur Weather Forecaster.")
(Page 190 for Barometer Instruction Chart and Weather Record.")

Tycos Brass Case Barometers

Open Scale

(American Manufacture)

No. 2217
(About one-half actual size)

The dial of the No. 2217 Barometer is divided and figured only from 28 to 31 inches of pressure. As the ordinary Aneroid Barometer is scaled from 25 to 31 inches of pressure, it can readily be seen that the movement of the hand on the No. 2217 pattern is almost double that of any other style.

This pattern is primarily intended for places located at sea level or thereabouts and should under no circumstances be used at elevations above 1,000 feet. When used at any altitude it should be specially set, as explained below.

CODE WORD

No. 2217 *Tycos* Brass Case Aneroid Barometer . . . . . **Akehu**

Lacquered-brass case, 5-inch diameter, 3-inch range (28-inch to 31 inches), very sensitive best-quality movement, large bold figures, enamel dial, no weather words. Packed in a cardboard box. Weight 22 ounces.

(*See page 171 for extra for "Tycos Patented Folding Feet."*)

How to Set Barometer No. 2217

If the observer is situated at any point above sea level the barometer, unless corrected, will read lower than the reading at sea level, on account of the lessened pressure due to altitude.

After finding the altitude and determining the difference, the indicating hand of the barometer should be lifted off the pin onto which it is fitted and replaced at the corrected reading.

NEVER make this change by means of the small screw seen in the back.

Corrections For Elevations Above Sea Level

If altitude is	250	feet	add	0.29	inches	to	barometer	reading.	
" " "	500	"	"	0.57	"	"	"	"	
" " "	750	"	"	0.85	"	"	"	"	
" " "	1000	"	"	1.12	"	"	"	"	

For instance, suppose the observer be at an altitude of 500 feet and the barometer reads 29.20 inches. If the station were at sea level instead of being 500 feet above (or straight down 500 feet in a vertical line), the barometer would read 0.57 inches higher, so the corrected reading would be 29.20 plus 0.57 = 29.77 inches.

Tycos Special Brass Case Barometer

Arranged for High Altitudes

(American Manufacture)

No. $2202\frac{23}{27}$

About one-half actual size)

For extremely high altitudes the ordinary barometer has not been made to take care of the pressure experienced.

The 2252 and 2253 patterns (*page 172*) are satisfactory up to and including 3500 feet, but beyond that altitude the mechanism becomes deranged.

The instruments listed below cover all altitudes between 2900 feet and 11,800 feet.

CODE WORD

No. $2202\frac{23}{29}$ *Tycos* Special Brass-Case Aneroid Barometer..... **Akein**

Lacquered-brass case, 5-inch diameter, beveled-glass cover, open-center enamel dial, good-grade movement, finished in brass lacquer. Is good for use between 2,900 feet and 7,100 feet. Packed in cardboard box. Weight 24 ounces.

No. $2202\frac{21}{27}$ *Tycos* Special Brass-Case Aneroid Barometer..... **Akeke**

Same as No. $2202\frac{23}{29}$, except good for use between 4,900 feet and 9,500 feet.

NOTE—Movements of the Nos. $2202\frac{23}{29}$ and $\frac{21}{27}$ are of good quality, and beyond their special construction are identical with those illustrated under No. 2202. (*page 165*).

No. $2250\frac{20}{26}$ *Tycos* Special Brass Case Aneroid Barometer..... **Akelp**

Lacquered-brass case, 5-inch diameter, first-quality compensated movement, finely divided and figured open-center, silvered-metal dial. Good for use between 5,950 and 11,800 feet. Packed in cardboard box. Weight 24 ounces.

NOTE—The No. $2250\frac{20}{26}$ is of special design, being first-grade throughout and compensated for changes of temperature.

Tycos Yacht, or Engine-Room, Barometer

(American Manufacture)

Pattern Adopted by U. S. Shipping Board

No. 2230A P L
(About one-half actual size)

The ideal barometer for almost any purpose where weather readings are of consequence. Superior to the mercurial barometer, for no corrections are necessary. The movement is compensated for temperature, specially adjusted and rated, and is of the same grade as those supplied to the U. S. Navy and the U. S. Weather Bureau.

The flange case, drilled for easy fitting to any wall, cabin or frame, sets the whole off to advantage.

CODE WORD

No. 2230A P L 5-inch *Tycos* Yacht, or Engine-Room, Barometer . . . . . **Akenx**

Lacquered heavy-spun brass case, 5-inch diameter, 2⅜ inches deep, drilled back flange, 5¾-inch diameter, beveled-glass front. Engraved and silvered-metal dial, divided 0.02 inches, ranged 25 inches to 31 inches. Exposed movement compensated for temperature. Weight 34 ounces.

No. 2230A P L 6-inch *Tycos* Yacht, or Engine-Room, Barometer . . . . . **Akeok**

Same as No. 2230A P L, except case 6-inch diameter, 2½ inches deep, back flange, 6⅞ inches diameter. Weight 46 ounces.

Cheaper Grade

No. 2230L 5-inch *Tycos* Yacht, or Engine-Room, Barometer. . . . . **Akerv**

Lacquered heavy-spun brass case, 5-inch diameter, 2⅜ inches deep, drilled back flange, 5¾-inch diameter, bevelled-glass front, silvered-metal dial, exposed good-grade movement, not compensated for temperature. Weight 34 ounces.

No. 2230L 6-inch *Tycos* Yacht, or Engine-Room, Barometer . . . . . **Akeso**

Same as No. 2230L-5-inch, except case 6-inch diameter, 2½ inches deep, back flange 6⅞-inch diameter. Weight 46 ounces.

NOTE—No. 2230A P L or No. 2230L (in the 5-inch dial size only) will be supplied if so specified, at no extra charge, with dial engraved in the metric scale and with weather words in Spanish (code word *Akeei*) or with metric scale in addition to the inch scale and with weather words in Spanish (code word *Akeba*).

Tycos Special Brass Case Barometers

Compensated for Temperature

(American Manufacture)

As Supplied to U. S. Navy, U. S. Weather Bureau, Bureau of Plant Industry, etc.

No. 2250
(About one-half actual size)

A barometer to be absolutely accurate must of necessity be compensated for temperature. Six years ago we developed the No. 2250 type of aneroid, and today it is supplied to the U. S. Navy and the U. S. Weather Bureau, besides many scientific and educational institutions throughout the country.

As at present constructed the movement is practically non-corrosive, as steel parts have been replaced, where practicable, with either nickel-silver or phosphor-bronze.

CODE WORD

No. 2250 5-inch *Tycos* Special Brass Case Aneroid Barometer . . . . . **Akety**

Lacquered-brass case, 5-inch diameter, open-center silvered-metal dial, engraved and divided with great accuracy. The movement is extra-grade, compensated for temperature changes, thus ensuring accurate readings of barometric pressure at all times. Packed in cardboard box. Weight 24 ounces.

NOTE—No. 2250 in the 5-inch dial size only will be supplied if so specified, at no extra charge, with dial engraved in the metric scale and with weather words in Spanish (code word *Akeci*) or with metric scale in addition to the inch scale and with weather words in Spanish (code word *Akeba*).

No. 2250 6-inch *Tycos* Special Brass Case Aneroid Barometer . . . . . **Amigz**

Same as above, except 6-inches diameter.

(*See page 171 for extra for "Tycos Patented Folding Feet."*)

Feet for *Tycos* Weather Barometers

Procurable on American-Made Barometers only

Patented July 16, 1918

"X" Extra to any brass-case barometer, Nos. 2200 to 2253—5-inch only

(About one-half actual size)

There have been many requests for the addition of "feet" to our weather barometers, so the instruments could be made to stand upon a table, bureau or mantel.

On account of the admitted ugliness of those formerly fitted to barometers we have designed and patented a type which can be folded back into the case itself when not in use.

It is obvious to anyone that these are a decided improvement over those which permanently protrude from the base of the case and the fact that they fold up when not in use gives the instrument its pleasing symmetrical appearance when hung upon the wall.

If ordinary care is exercised, delicately polished surfaces will not be scratched with these new pattern feet.

Descriptive Letter		Code Word
"X"	*Tycos* Patented Folding Feet. . . . . Supplied with any barometer in 5-inch size, Nos. 2200 to 2253.	Akyns

Tycos Brass-Case Barometers

With Revolving Back

Adjustable for any Altitude up to and Including 3,500 Feet

(American Manufacture)

(Front View) — (Back View)

No. 2252
Patented August 18, 1914
(About one-half actual size)

It is necessary to arrange all "weather words" on aneroid barometers in relation to the barometric pressure scale at sea level, in order to fix a standard level for observation.

Since barometric reading is affected by altitude, and it is obviously impossible because of the enormous variety involved to make special instruments for various altitudes from sea level upwards, the desirable barometer is one provided with a means of adjustment whereby the observer may take observations, agreeing with sea level readings at any desired location.

The instrument here illustrated is arranged in such a manner that it is suitable for use in any location from sea level to 3,500 feet elevation. The adjustment is very simple and once made, no further adjustment is required.

Turn the brass-plate set in the back of the case (this is easily done with the fingers) until the number of feet corresponding to the elevation of the city or town is opposite the arrow. The hand will then point to the proper weather mark and the reading will be the same as that of the U. S. Weather Bureau, which is sea level reading.

CODE WORD

No. 2252 *Tycos* Brass-Case Aneroid Barometer . . . . . **Akeub**
Lacquered-brass case, 5-inch diameter, enamel dial, good-grade movement. Packed in cardboard box. Weight 25 ounces.

No. 2253 *Tycos* Brass-Case Aneroid Barometer . . . . . **Akevd**
Lacquered-brass case, 5-inch diameter, silvered-metal dial, accurately divided and figured, best-quality movement, compensated for temperature. Packed in cardboard box. Weight 25 ounces.

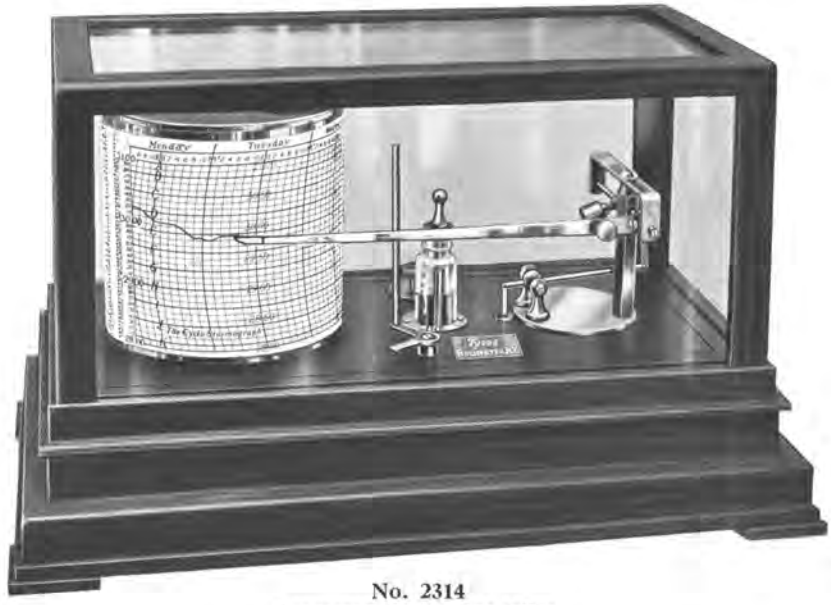
NOTE—Nos. 2252 or 2253 will be supplied if so specified, at no extra charge, with metric dial and altitude plate divided in meters and with weather words in Spanish (code word *Akeci*) or with metric dial and altitude plate divided in meters but with no weather words (code word *Akebi*).

(*See page 171 for extra for "Tycos Patented Folding Feet."*)

Tycos "Cyclo-Stormograph"

Automatic Weather Forecaster

(American Manufacture)



No. 2314
Registered U. S. Patent Office
(About one-third actual size)

The *Tycos* "Cyclo-Stormograph" is the very latest device for automatically registering weather changes and the new style of chart makes it possible to immediately get information on "what to expect."

This information is of value and interest to everyone. When these instruments are exposed in a window the public will come many times daily to get the information furnished.

Used by Bankers, Yachtsmen, Builders, Merchants, and others in various walks of life whose interests need safeguarding by advance weather information.

Writes "tomorrow's weather" on a chart. A magnificent and exclusive addition to any store.

Will bring people to your window every day of every year.

Unique as the securer of free newspaper advertising. Costs less than any accepted form of advertising.

Simplified chart—a child can read it.

Makes your store a local Weather Bureau.

Handsomely mounted in polished mahogany case with glass cover.

		CODE WORD
No. 2314	*Tycos* "Cyclo-Stormograph" ..... Glass-covered mahogany case, size 13¼ inches by 7½ inches by 7¾ inches Complete with forecast card, year's supply of charts, bottle of ink, etc.	**Akfan**

Extras

Charts for "Cyclo-Stormograph" for one year (No. 82)	**Akfet**
Forecast cards No. 96	**Akflo**
Bottles of ink (plain bottle)	**Akfra**
Pens	**Akfys**

NOTE—A pen and an ordinary bottle of ink should last for at least five years.

Tycos "Cyclo-Stormograph"—Continued

Weather Forecast Display Card

Supplied free with the *Tycos* "Cyclo-Stormograph"

WEATHER PROBABILITIES
Continued Cool, Warmer and Cloudy tomorrow
FOR NEXT 24 HOURS
Indicated by Tycos Cyclo-Stormograph

(About one-half actual size)

With each "Cyclo-Stormograph" comes an attractive display card 7½ inches wide by 4¼ inches high, made by the carbon photo process. Pockets on back contain daily forecast cards. The office boy can change them. Look at your "Cyclo-Stormograph" and if the pen indicates between "A" and "B", Falling, take from the pocket the card so stamped and place in metal holder on face of display card. It reads:—"Continued Cool, Warmer and Cloudy tomorrow."

Extra

		CODE WORD
No. 96	Weather Forecast Cards.	**Akflo**

As described above.

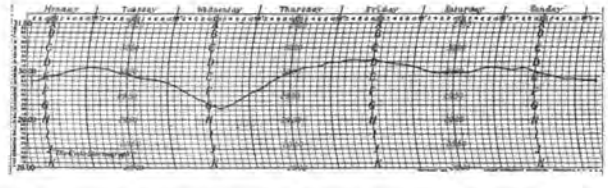


Chart as used in the *Tycos* "Cyclo-Stormograph" (Reduced)

The *Tycos* Thermograph

(American Manufacture)

The *Tycos* Thermograph (Recording Thermometer) is arranged to create upon a chart a continuous 7-day record of temperature.

This chart is divided into days and two-hour subdivisions of each day. Horizontally the dividing lines are in degrees of temperature.

An arm carrying the recording pen is connected directly with a coil, which changes as the temperature rises or falls. This causes the arm, with the recording pen attached, to move vertically over the chart.

The pen, filled with a prepared ink, rests against the chart, thus creating the record.

The mechanism is extremely simple and durable; is non-corrosive, and so arranged that no levers other than the pen-arm are used to convey the movement of the coil (caused by changes of temperature) to the record chart.

This construction overcomes all lag, creep and friction. Changes of less than ½° F. are easily discernible.

They are more sensitive than most mercurial thermometers, yet their construction is very rugged.

Charts showing a variety of ranges can be secured to suit individual requirements. Standard charts are as follows:

		CODE WORD
No. 84	*Tycos* Thermograph Chart. Ranged from zero to 100° Fahrenheit. One year's supply.	**Akgew**
No. 85	*Tycos* Thermograph Chart. Ranged from 20° to 120° Fahrenheit. One year's supply.	**Akgio**
No. 86	*Tycos* Thermograph Chart. Ranged from minus 10° to 90° Fahrenheit. One year's supply.	**Akgob**

As all these charts show ranges of temperature equal to 100° Fahrenheit, they are interchangeable.

If, for instance, an instrument was fitted with chart No. 85, and it was required to obtain a record of temperature lower than 20° Fahrenheit, which is the minimum temperature of this chart, it could be readily accomplished by placing chart No. 86 on the recording drum and re-setting the instrument. This operation is extremely simple.

If the pen-arm pointed at say the 60° Fahrenheit line on the No. 85 chart at the time the change was made, it would only be necessary to move the temperature adjusting screw on the instrument so that the pen-arm would point to the 60° Fahrenheit line when the No. 86 chart was substituted. The instrument will then record correctly on the new chart.

For the purpose of having a universal range of temperature, instrument No. 2350 can also be supplied with a ruled but unfigured chart. This chart can be arranged by the user to cover any reasonable range of temperature covering 100° Fahrenheit.

For instance, if used for winter weather purposes, the chart can be figured from minus 20° to 80° Fahrenheit, in the spring from 10° to 110° Fahrenheit, and in the summer from say 40° to 140° Fahrenheit, or any range of 100° Fahrenheit desired by the user. When sent this way the instrument is provided with an Engraved Mercury Thermometer for use in setting.

The *Tycos* Thermograph—Continued

(American Manufacture)

In use by U. S. Department of Agriculture, Canadian Government, the Leading Observatories and Innumerable Educational Institutions

No. 2350
(About one-third actual size)

To insure complete satisfaction see that the pen is kept free from dust and dirt. It should be washed in alcohol occasionally.

If the pen does not mark readily, draw a piece of paper carefully through the nibs, to ensure a flow of ink. Use only our specially prepared ink. This is important.

Wind the clock each time the chart is changed. Arrange the pen so that it presses very lightly on the chart, to insure a delicate record.

Do not tamper with the thermometric member, or handle it unnecessarily.

No lag, creep or friction; direct reading; portable; no levers; movement non-rusting, highly sensitive; simplified construction and accuracy.

CODE WORD

No. 2350 *Tycos* Thermograph . . . . . **Amije**

Metal non-corrosive case, 10 inches long, 8 inches high, 5 inches wide, complete with year's supply of charts No. 84 (0° to 100° Faht.), charts No. 85 (20° to 120° Faht.) or charts No. 86 (minus 10° to 90° Faht.), bottle of ink and full instructions. Weighs about 8 pounds.

Tycos Weather Barometers

With Patented Adjustable Feature

(American Manufacture)

Nos. 2525 and 2526
(Front View)

Patented August 18, 1914

(About one-third actual size)

Nos. 2525 and 2526
(Back View)

One of the greatest advances in barometer construction since the advent of the aneroid barometer is the *Tycos* Patent Attachment in the back of the case of weather instruments which permits the owner to easily and immediately make any adjustment of his instrument without fear of upsetting the mechanism.

It is essential that every barometer be set for the altitude in which it is used. Manufacturers do not know the ultimate destinations of barometers sold to the trade, so it is impossible to set them. The ordinary barometer, unless especially set for its location, gives readings of actual atmospheric pressure.

As a consequence there are many barometers in use which do not indicate properly; not because the mechanism is out of adjustment, but because the instrument has not been properly set.

A simple turn by the fingers of the black disc in the back, until the arrow coincides with the altitude as engraved on the black disc, correctly sets the hand on the face to indicate readings corrected for sea level.

No other adjustment is necessary until the location of the barometer as regards its altitude is changed.

As an example, suppose an instrument was purchased in Chicago. Chicago is approximately 600 feet above sea level. Simply turn the black disc until the

Tycos Weather Barometers—Continued

arrow points to the first line past the 500 (each line represents 100 feet) and the instrument is set. Suppose the instrument went to Marriam Park, St. Paul. The altitude there is 800 feet and the instrument could be adjusted by turning the black disc to the 800 feet point.

The whole operation occupies but a few seconds of time, and is the only insurance you or your customers have that the instrument is correctly set.

When the black disc is turned until the 0 is at the arrow, the indications are of the true atmospheric pressure at the place of observation, and the instruments can be checked by a mercurial barometer. If any small adjustment is needed it can be made by turning the screw seen in the hole at the back until the black hand on the dial agrees with the mercurial barometer reading.

CODE WORD

No. 2525 *Tycos* Weather Barometer..... **Akyol**

Turned oak frame 8 inches in diameter, beveled-glass front, 5-inch closed-enamel dial, good-grade movement, patent altitude setting device in back.

No. 2526 *Tycos* Weather Barometer..... **Akyto**

Same as No. 2525, except with best-grade compensated movement and silvered-metal dial.

Rainfall

Rain, briefly speaking, is caused by the chilling of the air, which contains a certain amount of moisture.

This chilling may take place through the rise of the air to higher or colder levels, through its contact with a colder surface, or from its meeting with a colder current of air.

Rain often results from the rushing of warm lowland air up a mountain side. Some of the heaviest known rains are on mountains lying near the sea.

The air over the ocean becomes thoroughly saturated with vapor which, while warm, it can carry. Then it suddenly comes against a mountain range and has to pour upward, losing heat as it does so. Fast becoming colder, it can no longer contain its supply of hidden moisture. It is then that the clouds of floating mist are formed, and torrents of rain result.

All over the earth water is vanishing and reappearing; going out of sight into the air and coming into sight out of the air; being evaporated and being condensed; passing from the liquid to the gaseous form, and from the gaseous to the liquid.

When, through condensation, actual drops of water appear, whether as mist or fog, dew or rain, the process is described as precipitation. The vapor-laden air gives out, or precipitates, some of its surplus moisture.

The sea surface evaporates into the air, the vapor becomes clouds, clouds pour down rain, rain fills the rivers, and the rivers supply the sea, so whether we start with mountain rivulets or clouds the circle is completed, and we always come to our starting point.

Rainfall is always expressed in inches or fractions of an inch, and the following facts will graphically illustrate its effect, both in weight and volume, upon the earth's surface. A gallon of water weighs ten pounds and if spread 1-inch thick will cover an area of two square feet. An inch of rain gives 100 tons of water to the acre, or 60,000 tons to a square mile.

The instruments used to measure the amount of rainfall are known as Rain Gauges, or Pluviometers.

The amount of rainfall is measured on the basis of the depth of water which would accumulate on a level surface if all of it remained as it fell without loss by evaporation or otherwise. Snow and hail are measured by the actual depth of the precipitation, or, more accurately, by melting the snow or hail and obtaining the equivalent depth in water.

Booklet "The Mountains of Cloudland and Rainfall" (*page 192*).

Tycos Rain Gauges

(American Manufacture)

No. 2703
(About one-fifth actual size)

No. 2709
(About one-fifth actual size)

The exposure of a Rain Gauge is of great importance. A position in an open lot unobstructed by large trees, buildings, or fences is an ideal one. Low bushes or walls that will break the force of the wind in the vicinity of the gauge are beneficial, if at a distance not less than the height of the object.

The gauge should be protected as much as possible against wind, which sometimes causes eddies at the mouth or top of the gauge. A fence three feet high around the gauge, at a distance of three feet, will offer sufficient protection against the disturbing elements.

CODE WORD

No. 2703 *Tycos* Howard's Gauge ..... **Akgry**
Glass bottle, copper funnel with 5-inch diameter brass rim graduated glass measure, to show .01 of an inch of rainfall.

No. 2709 *Tycos* British Association Gauge ..... **Akgux**
Japanned metal cylinder with 5-inch diameter brass rim on which the funnel is made to fit as a cap; interior of the cylinder contains a metal removable receiver and a graduated glass jar.

No. 2710 *Tycos* British Association Gauge ..... **Akgym**
Same as No. 2709, except with copper funnel and brass rim.

Extras

Graduated measuring glasses reading .01 inches, for 5-inch rain gauges.... **Akhac**

Graduated measuring glasses reading .01 inches, for 8-inch rain gauges.... **Akhez**

Price List in pocket on inside of front cover.

Tycos Rain Gauges—Continued

(American Manufacture)

No. 2715

(About one-seventh actual size

CODE WORD

No. 2715 *Tycos* Glaisher's Rain Gauge ..... **Akhuj**

Originally designed by Mr. James Glaisher, Fellow of the Royal Society.

Japanned-metal receiver with 8-inch diameter brass rim funnel, terminating in a curved tube, which, retaining a small portion of water, prevents evaporation.

NOTE—The receiver being sunk into the ground to within 8-inches of the top, no evaporation will take place even in the warmest season.

No. 2716 *Tycos* Glaisher's Rain Gauge ..... **Akhyd**

Same as No. 2715, except copper with brass rim.

NOTE—Care must be taken when pouring the rain from the gauge to the graduated measure to hold the measure quite vertical, or an inaccurate reading will result.

Such small amounts of water as are deposited in the gauge by dew, hoarfrost and fog should also be taken into account when calculating the total precipitation for a given period.

Extras

Graduated measuring glasses reading .01 inches, for 5-inch rain gauges... **Akhac**

Graduated measuring glasses reading .01 inches, for 8-inch rain gauges... **Akhez**

"Camden" graduated measuring glasses reading .005 inches, for 5-inch rain gauges..... **Akhig**

"Camden" graduated measuring glasses reading .005 inches, for 8-inch rain gauges..... **Akiam**

"*Taylor*-Quality" Compasses

(American Manufacture)

No. 2909
(About one-third actual size)

CODE WORD

No. 2909 *Taylor* Compass Assortment ..... **Akied**

Consists of one each of the eight compasses illustrated on following pages, in velvet-lined, easel-back tray, for show-case, counter, or window display.

"*Taylor*-Quality" Compasses are the result of years of study and research in a factory with more than half a century of experience in the manufacture of meteorological instruments, and with every possible device for the improvement of the product.

The nationally-advertised line. Attractively packed, each compass in an individual container. On account of their construction, all these compasses can be repaired when broken. This is not possible with other makes. No loss from damaged stock.

All hunter-case "*Taylor*-Quality" Compasses are packed in this individual Paper Box

Hunter-Case Patterns are Gydawl, Aurapole, Meradial, Ceebynite and Usanite.

Price List in pocket on inside of front cover.

"Taylor-Quality" Compasses—Continued

(American Manufacture)

No. 2905
(Actual Size)

Display Box Holding One Dozen Telaway Compasses
(About one-half actual size)

A Compass to Retail for 50 Cents

The insistent demand for a 50-cent compass has prompted us to put the "Telaway" on the market.

We feel that it is exceptional value and has many features not to be found in many compasses costing twice its price.

The case is of black-bronzed brass and is fitted with a ring at the top, for fastening to a chain or guard.

The dial is of heavy enamelled card, accurately divided and figured in the principal cardinal points.

Needle is of flat design, the north-pointing end being blued. A jewel center insures perfect accuracy of movement.

The glass is of bevelled crystal and fits into the case in the same way as the glass of a watch. This means that should the glass break, or the needle need repairing, or anything whatever go wrong with the "Telaway," it can be repaired. Of all cheap compasses the "Telaway" has this feature exclusively.

CODE WORD

No. 2905 *Taylor* Telaway Compass . . . . . **Akifs**

Black-bronzed-brass case fitted with ring; heavy enameled-card dial accurately divided, flat needle, jeweled center, beveled-glass crystal. Weighs ¾ ounce.

"Taylor-Quality" Compasses—Continued

(American Manufacture)

No. 2910
(Actual size)

No. 2911
(Actual size)

The Leedawl Compass

Retails at $1.00

The Leedawl Compass has been put on the market to meet the ever growing demand for a good, reliable, properly manufactured, attractive, accurate and sensitive pocket compass, at a reasonable price.

The "Leedawl" is mounted in an untarnishable white-metal case (not plated), has an untarnishable silver-metal dial, hardened and tempered steel point and cupped jewel bearing. The stop for the needle in the crown is made to prevent dust getting inside the instrument, besides making it practically water-tight.

The beveled crystal glass is made to snap in, a most desirable feature, since it can easily be removed to enable the working parts to be reached, and repaired or cleaned when necessary.

CODE WORD

No. 2910 *Taylor* Leedawl Compass . . . . . **Akijo**

White-metal case, beveled-glass crystal, jeweled needle, untarnishable silvered-metal dial, cupped jewel bearing. Packed each in a neat box, 12 in an attractive box for counter display.

The Magnapole Compass

Retails at $1.50

The case design and the stop work for raising the needle off the point when not in use (patents pending) are essentially the same as in the Leedawl Compass, but the dial is of aluminum, much whiter and more easily read than most other types. As aluminum is impervious to moisture and will not discolor, the life of the "Magnapole" dial is indefinite.

"Magnapole" needles are of the bar type and have perfectly jeweled centers. This insures a very fine degree of sensitiveness and consequent accuracy.

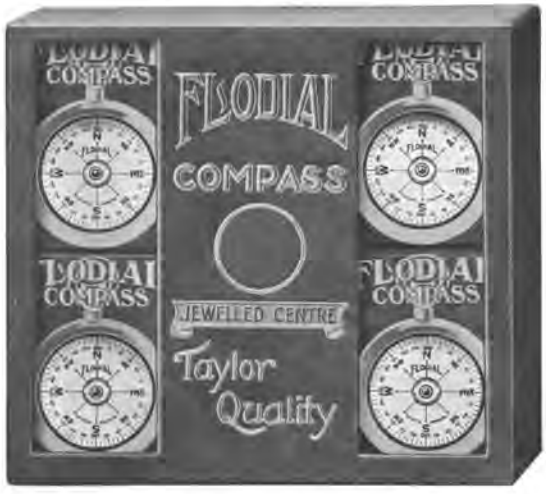
CODE WORD

No. 2911 *Taylor* Magnapole Compass . . . . . **Akikt**

White-metal case, beveled-glass crystal, aluminum dial, jeweled-center bar needle. Packed each in a neat box, 12 in an attractive counter display box.

"Taylor-Quality" Compasses—Continued

(American Manufacture)



No. 2912 Package
(About one-half actual size)

No. 2913
(Actual size)

The Flodial Compass

Retails at $1.50

Mounted in same pattern and grade case as the Leedawl Compass. Dial is of aluminum and floats instead of being fixed, which enables all magnetic bearings to be noted at once. Center is jeweled and stop is provided to lock needle and dial when not in use.

CODE WORD

No. 2912 *Taylor* Flodial Compass ..... **Akilu**

White-metal case, beveled-glass crystal, jeweled needle, untarnishable silvered-metal dial, cupped jewel bearing. Packed each in a neat box, 12 in an attractive box for counter display.

The Litenite Compass

Retails at $2.00

Same pattern in every respect as the Flodial Compass, except that the "N" and "S" points of the dial are treated with a permanently luminous compound, which enables direction to be seen at night.

CODE WORD

No. 2913 *Taylor* Litenite Compass ..... **Akime**

Same as No. 2912, except that the "N" and "S" points are luminous.

NOTE—Do not "test" the "Litenite" for its luminous power in the daytime. A person's eyes take up light and it requires from 15 to 20 minutes in a dark room to bring them in the day to the condition they are in at night. If you wait this time in a dark room, the luminous points will appear quite bright and will increase in luminosity the longer you stay.

"Taylor-Quality" Compasses—Continued

(American Manufacture)

No. 2914
(Actual size)

No. 2915
(Actual size)

The Gydawl Compass

No. 2914 Retails at $2.25. No. 2914G Retails at $6.50

For a low-priced compass in a hunter-style case the "Gydawl" cannot be beaten. The needle is of the flat, half-blued steel type—just the same as in the "Leedawl,"—has a jeweled center and a stop which automatically, directly the lid is closed, lifts the needle off the special steel point on which it operates. This means practically everlasting life to the compass, for it will always remain delicate and sensitive as long as the needle is lifted off the center when not in use.

		CODE WORD
No. 2914	*Taylor* Gydawl Compass. Thin model, white-metal hunter case, strongly hinged, beveled-glass crystal, flat half-blued steel needle with jeweled center, automatic stop lift, untarnishable silver-metal dial. Packed each in an attractive box.	**Akiny**
No. 2914G	*Taylor* Gydawl Compass. Same as No. 2914, except in gold-filled case.	**Akiof**

The Aurapole Compass

No. 2915 Retails at $2.50. No. 2915G Retails at $6.50

In the selection of a compass, many people prefer styles having needles of "bar" pattern to those of flat design, as used in the "Gydawl" and "Leedawl" instruments. Bar needles are to be preferred; first, on account of their extreme sensitiveness; secondly, because they can be magnetized much more strongly, and thirdly because they retain their magnetism indefinitely.

The needles of Aurapole Compasses are heavily magnetized, delicately balanced, and are extremely sensitive. Centers are jeweled and a stop lifts the needle off center point when lid of case is closed. Dial is of aluminum.

		CODE WORD
No. 2915	*Taylor* Aurapole Compass. Thin model, white-metal hunter case, strongly hinged, beveled-glass crystal, jeweled-bar needle, automatic stop lift, untarnishable silver-metal dial. Packed each in an attractive box.	**Akipi**
No. 2915G	*Taylor* Aurapole Compass. Same as No. 2915 except in gold-filled case.	**Akirp**

"Taylor-Quality" Compasses—Continued

(American Manufacture)

No. 2916
(Actual size)

No. 2917
(Actual size)

The Meradial Compass

No. 2916 Retails at $2.50. No. 2916G Retails at $6.50

Floating-dial compasses are very popular with hunters and those who spend a good deal of time in the woods. Technically speaking they are the most satisfactory of all compasses, as the dials are fitted to the needles and float with them.

Their advantage over "needle" styles is obvious. When the dial comes to rest it accurately gives all magnetic directions.

Centers are jeweled and the dial and needle, when case is closed, is lifted off the center point.

CODE WORD

No. 2916 *Taylor* Meradial Compass . . . . . **Akita**

Thin-model, white-metal hunter case, strongly hinged, beveled-glass crystal, floating dial, automatic stop lift, silvered-metal dial. Packed each in an attractive box.

No. 2916G *Taylor* Meradial Compass . . . . . **Akiur**

Same as No. 2916, except in gold-filled case.

The Ceebynite Compass

No. 2917 Retails at $3.00. No. 2917G Retails at $6.50

Supplied to Canadian and U. S. Armies

The North and South points of the floating dial of the Ceebynite Compass are treated with a radio-active compound (permanently luminous) which enables them to be seen at night. The action of this material is permanent and does not have to be exposed to sunlight during the day to make it phosphorescent, as do other compounds.

In all other respects the same as the "Meradial."

CODE WORD

No. 2917 *Taylor* Ceebynite Compass . . . . . **Akjuy**

Thin-model, white-metal hunter case, strongly hinged, beveled-glass crystal, floating dial with luminous points, automatic stop lift, silvered-metal dial. Packed each in an attractive box.

No. 2917G *Taylor* Ceebynite Compass . . . . . **Akkas**

Same as No. 2917, except in gold-filled case.

NOTE—Do not "test" the "Ceebynite" for its luminous power in the daytime. A person's eyes take up light and it requires from 15 to 20 minutes in a dark room to bring them in the day to the condition they are in at night. If you wait this time in a dark room, the luminous points will appear quite bright and will increase in luminosity the longer you stay.

"Taylor-Quality" Compasses—Continued

(American Manufacture)

No. 2918
(Actual size)

The Usanite Compass

Used by the U. S. Army

No. 2918 Retails at $3.50. No. 2918G Retails at $7.50

The Usanite Compass has been created for those people who prefer needle-style compasses to those with floating dials.

The North-pointing end of the needle is almost completely covered with radium material, while a smaller portion is applied to the South-pointing end.

The cardinal points (N., E., S. and W.) of the compass dial are similarly prepared, the N. point being distinguished by an arrow head, the other points being represented by dots.

CODE WORD

No. 2918 *Taylor* Usanite Compass . . . . . **Akkek**

Thin model, white-metal hunter case, strongly hinged, beveled-glass crystal, floating dial, automatic stop lift, silvered-metal dial, jeweled-bar needle with luminous points. Packed each in an attractive box.

No. 2918G *Taylor* Usanite Compass . . . . . **Akkir**

Same as No. 2918, except in gold-filled case.

NOTE—Do not "test" the "Usanite" for its luminous power in the daytime. A person's eyes take up light and it requires from 15 to 20 minutes in a dark room to bring them in the day to the condition they are in at night. If you wait this length of time in a dark room, the luminous points will appear quite bright and will increase in luminosity the longer you stay.

Tycos Improved Pocket Reflecting Prism Levels

(American Manufacture)

As supplied to U. S. Geological Survey, U. S. Forest Service, U. S. Reclamation Service, Bureau of Mines, etc.

No. 3020
(About one-half actual size)

No. 3022
(About one-half actual size)

This simple and portable level is a most useful instrument. It consists of a tube about 5 inches long, having attached at one end a saddle piece containing a glass spirit-level; which being transparent and fixed over an opening in the tube, the light will carry the reflection of the air-bubble upon the surface of a rectangular prism. At the farther end of the tube is a sliding eyepiece in which is fixed the half of a circle of magnifying lens, and by the slide the reflected air-bubble can be perfectly focused, the remainder of the field of view being quite clear for the eye to see the distant object required. A cross-wire is also placed in the tube, the level being elevated or depressed until the air-bubble is seen coincident with the cross-wire; the correct level is then obtained. Protecting glasses to exclude dust are fixed at both ends.

In using it for approximate leveling purposes, the observer should stand at fixed position, having a view of the piece of land to be levelled; an assistant, with a staff having a distinct mark upon it at the height of the observer's eye, can be moved about to different parts of the ground, the observer noting at each spot the difference of level (if any) above or below the mark upon the staff, or a stake can be driven into the ground, the correct height at the points observed. For leveling upon a long course, the observer would move short distances, by a tape measure, noting the difference of level at each station, and the contour made on paper.

		CODE WORD
No. 3020	*Tycos* Pocket Reflecting Prism Level. Round bronze metal case, 5 inches long, complete in leather case. Weight 4½ ounces.	**Akknu**
No. 3020½	*Tycos* Pocket Reflecting Prism Level. Same as No. 3020, except in nickel-silver case.	**Akkum**
No. 3021	*Tycos* Pocket Reflecting Prism Level. Same as No. 3020, except in nickel-plated case.	**Akkyp**

Square Reflecting Level

No Prism or Magnifier, Fixed Eyepiece

No. 3022	*Tycos* Pocket Reflecting Level. Square bronze-metal case, 5 inches long, complete in leather case. Weight 2½ ounces.	**Aklab**

Tycos Instruction Chart for Aneroid Barometers

(Copyright owned by Taylor Instrument Companies, Rochester, N. Y.)

Full Size is 10⅞ inches x 14 inches

The words "rain," "fair," "changeable," "stormy," etc., on an Aneroid Barometer are apt to be misleading without a nearer knowledge of the comparative relations between registering of the barometer and thermometer, also the direction of the wind, etc. This information is given in a semi-automatic manner with the aid of the *Tycos* chart, simplified sufficiently for the average layman to readily master.

CODE WORD

No. 4050 *Tycos* Instruction Chart ..... **Aklen**
For Aneroid Barometer. Size 10⅞ inches by 14 inches.

No. 4051 *Tycos* Instruction Chart ..... **Aklix**
For Aneroid Barometer. Size 5½ inches by 5½ inches.

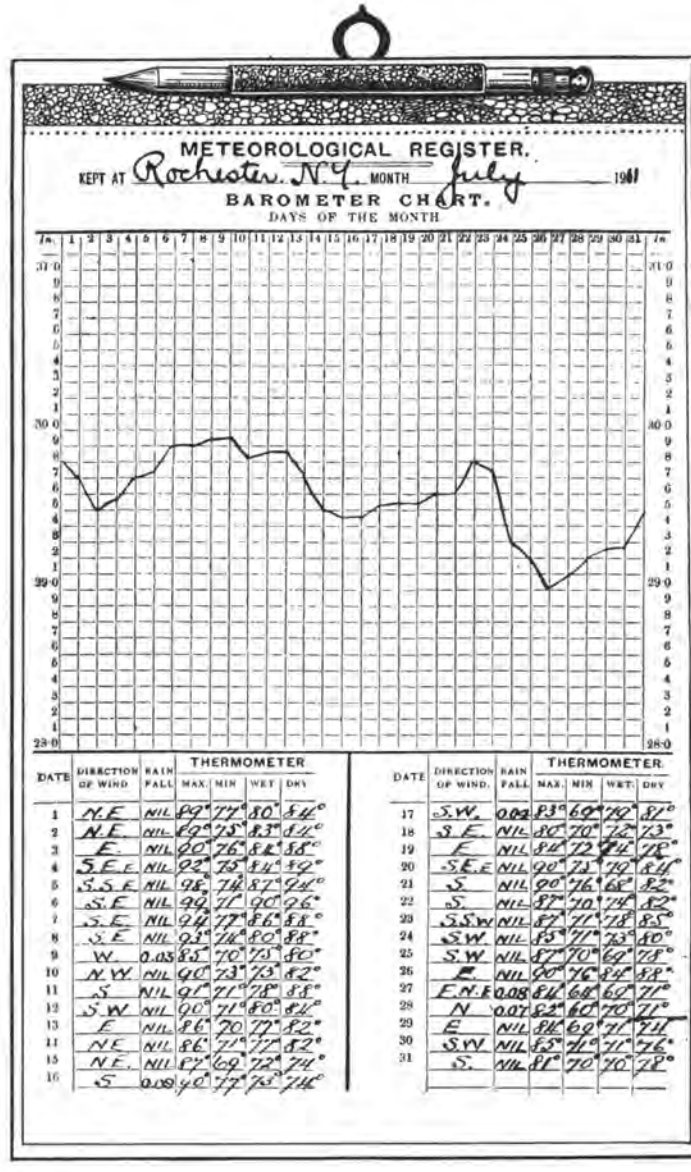
"Whoever has provided himself with an instrument of this kind believes himself to be the possessor of a self-registering weather-prophet, and is generally highly indignant if it rains when his barometer stands at "fair," or astonished if it is fine weather when the barometer says "rain."

The reading 29.5 (29½ inches) was at one time assumed to be the midway line separating "Fair" from "Rain" and was accordingly marked "Change." 30 inches was marked "Fair", 31 inches "Very Dry", 28.5 inches "Rain", and 28 inches "Stormy." A fixed standard was thus assumed for a condition of Nature that is literally as unstable as the wind."

—"Weather and Weather Instruments."

(*Pages 192 and 193 for Booklets on Weather.*)

Meteorological Register



METEOROLOGICAL REGISTER.

KEPT AT Rochester. N.Y. MONTH July 1941

BAROMETER CHART.

DAYS OF THE MONTH

DATE	DIRECTION OF WIND	RAIN FALL	THERMOMETER MAX.	MIN	WET	DRY
1	N.E	NIL	89°	77°	80°	84°
2	N.E.	NIL	89°	75°	83°	84°
3	E.	NIL	90°	76°	82°	88°
4	S.E.E	NIL	92°	75°	84°	89°
5	S.S.E	NIL	98°	74°	87°	94°
6	S.E	NIL	99°	71°	90°	96°
7	S.E.	NIL	94°	77°	86°	88°
8	S.E	NIL	93°	78°	80°	88°
9	W.	0.03	85°	70°	75°	80°
10	N.W	NIL	90°	73°	73°	82°
11	S	NIL	91°	71°	78°	88°
12	S.W	NIL	90°	71°	80°	84°
13	E	NIL	86°	70	77°	82°
14	N.E	NIL	86°	77°	77	82°
15	N.E.	NIL	87°	69°	72°	74°
16	S	0.09	90°	77°	75°	74°
17	S.W.	0.02	83°	69°	78°	81°
18	S.E.	NIL	80°	70°	72	73°
19	E	NIL	84°	72	74°	78°
20	S.E.E	NIL	90°	73°	79°	84°
21	S	NIL	90°	76°	68°	82°
22	S.	NIL	87°	70°	74°	82°
23	S.S.W	NIL	87°	71°	78°	85°
24	S.W	NIL	85°	71°	73°	80°
25	S.W	NIL	87°	70°	69°	78°
26	E	NIL	90°	76°	84°	88°
27	E.N.E	0.08	84°	68°	69°	71°
28	N	0.07	82°	60°	70°	71°
29	E	NIL	88°	69°	71°	74°
30	S.W	NIL	85°	74°	71°	76°
31	S.	NIL	81°	70°	70°	78°

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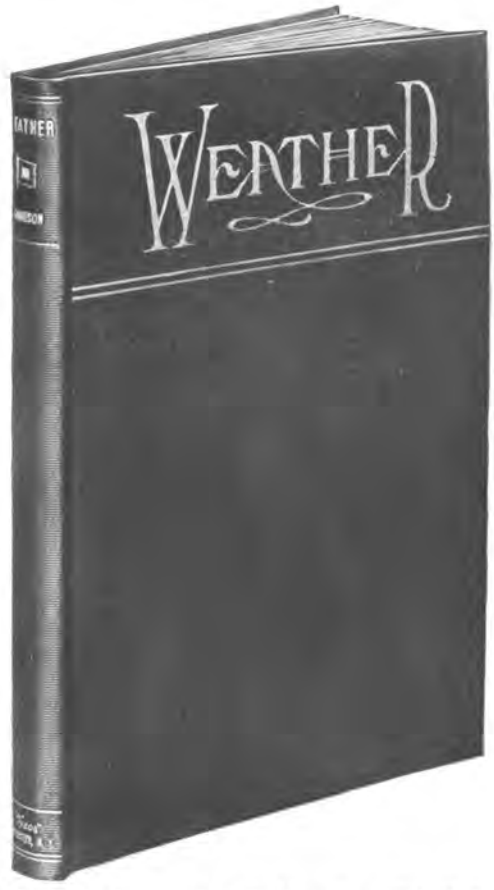

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Index

PAGE

Altitude Barometer....162
Altimeter....163
Actinometers....107, 150
Albuminometers....29
Assortments (Thermometer)....32 to 42
Barkometer....146, 150
Barometers—
" Altitude....162
" Aviation Altitude....163
" Aneroid....162, 163, 165 to 170, 172, 177, 178
" Engine Room....169
" Feet for....171
" Instruction Chart for....190
" Library....136
" Marine....135
" Mercurial....132 to 136
" Observatory....133 to 135
" Schools and Colleges....136
" Recording....173
" Weather....177
" Yacht....169
"Blood Pressure Simplified"....25
Calciometer....93
Cases (Thermometer)....14, 19 to 23
Chargometers....155
Clinical Thermometer Cases....14, 21 to 23
Compasses....182 to 188
Cream Gauges....78, 79
"Cyclo-Stormograph"....173
Display Case (Fever Thermometer)....16
Feet for Barometers....171
Fever Charts....25
Freezometer....153
Glueometer....146
Haemacytometer Pipette....20
Home Set....40
Hydrometers—
" Acid....141, 145, 150, 154
" Actinometer....107, 150
" Alcohol....141, 150, 153
" Alkali....141, 150
" Ammonia....93, 141
" Balling Scale....144, 145, 149, 152
" Battery....141, 150, 154 155
" Barkometer....146, 150

PAGE

Hydrometers—
" Baumé Scale....141, 142, 150, 154
" Baumé and Specific Gravity Scales....150, 154
" Beer....146, 149, 157
" Brewer's Test Set....149
" Brix Scale....140, 145, 152
" Calcium Chloride....93, 150
" Chargometer (Syringe Battery)....155
" Coal Oil....142, 150, 154
" Condensed Milk....79, 142
" Distillers....144, 148, 149
" Evaporated Milk....142
" Freezometer....153
" Gasoline....150, 153
" Glue....103, 146
" Heavy Liquid....141 to 144, 150, 154
" Incubator....84
" Internal Revenue....144, 148, 149
" Lactodensimeter....78, 79, 148, 152, 153, 154
" Lactometer....78, 79, 146, 152, 153, 154
" Light Liquid....141, 142, 144, 150, 152, 154
" Liquor Test Sets....148, 149
" Li-Sul-Sprayometer Set152, 156
" Maple Syrup....100, 152
" Meat Packers....103
" Milk....78, 79, 142, 146, 148, 152, 153, 154
" Oil....148
" Photographers....107, 150
" Precision....140
" Refrigeration....93
" Salt....93, 103, 148, 152, 154
" Sea Water....105, 152
" Specific Gravity....142, 143, 144, 152
" Spirit....144, 148, 149, 152, 154
" Sugar....140, 144, 145, 152
" Syrup....96, 152, 154
" Tank Water....103
" Thermo-Hydrometer....146, 148
" Tralle Scale....154

Index—Continued

PAGE

Hydrometers—
" Twaddle Scale....146, 152, 153
" Universal.....153
" Urinary.....26 to 30
" Varnish.....148
" Vinegar.....148
" Wine Test Set.....149
Hydrometer Cans and Glass Jars.....157
Hydrometer Scales.....158
Hydrometer Tables.....159, 160
Hygrometers.....63 to 69, 84, 92
Hygro-Autometer.....68
Hygrodeiks.....66, 67
Inclinometer (Aviation).....164
Indicanometer.....30
Incubator Hygrometers.....84
Internal Revenue Gauger's Manual.....148
Lactometers.....78, 79, 146, 152 to 154
Levels.....189
Lactodensimeter.....78, 79, 148, 152 to 154
Meteorological Register Pad.....191
Liquor Test Set.....148, 149
Pipettes.....20, 28
Psychrometers.....69, 92
Rain Gauges.....180, 181
Recording Thermometer.....120, 121
Saccharometers.....29, 149
Saccharometer Cans.....157
Salinometers.....105, 152
Salinometer Pots.....105, 157
Salometer.....93, 103
Sling Psychrometers.....69, 92
Sphygmomanometer.....24, 25
Sprayometer Set.....156
Steel Wells.....126
Stormograph.....173
Spirit Stems.....148, 149
Storm Glasses.....42, 53, 54
Tables (Comparative Thermometer).....122
Thermographs.....175, 176
Thermometers—
" Advertising.....73, 74
" Angle...86, 88, 96, 111 to 113
" Armored.....126
" Art Novelty.....73
" Asphalt Testing.....119

PAGE

Thermometers—
" Assortments.....32 to 42
" Auto-Circulation.....89
" Bakers'.....97
" Bake Oven.....97
" Bank.....74
" Bath.....70, 71
" Battery.....131
" Brewers'.....86, 87
" Brine Pipe.....87, 88, 96
" Brooder.....83
" Butter.....76, 77
" Cabinet.....43 to 48
" Calorimeter.....130
" Candy Making.....94 to 96
" Chandelier.....51
" Chemical.....124 to 131
" Churn.....76, 77
" Clinical.....9 to 23
" Coal Oil.....109
" Cold Storage 88 to 91, 114 to 116
" Confectioners'.....94 to 96
" Copper Can.....157
" Copper Cased—Ordinary Grade.....58
" Copper Cased—"*Tycos* - Quality".....55 to 57
" Dairy.....76, 77
" Decorative.....73
" Dental.....108
" Desk.....42, 52
" Developing Bath.....107
" Dial.....120, 121
" Differential.....130
" Display.....74
" Distance Reading 37, 39, 42, 49
" Distillers'.....86, 87
" Dough Testing.....97
" Dry Kiln.....98
" Electric Alarm....114 to 117
" Engraved Stem....124 to 131
" Fever.....9 to 23
" Fire Alarm.....117
" Fireless Cooker.....97
" Frost Alarm.....114 to 116
" Fruit Car.....91
" Fruit Testing.....91

Index—Continued

PAGE

Thermometers—
" Fruit Evaporating 98
" Galvanized Iron Case 90
" Gas Works 130
" Greenhouse . . . . . 59 to 62, 114 to 116, 120 to 121
" Ham Boiling 102
" Health 37, 40, 45, 47
" Home Candy Maker's 95
" Hop Curing . . . . 99, 114 to 116
" Hot Bed (Soil) 106
" Hotel 39, 74
" Hot Water . . . . . 111 to 113
" Household . . . . . 32 to 54
" Ice Cream Machine 96
" Incubator . . . . . 80 to 82
" Japanning Oven 98
" Laboratory . . . . . 124 to 131
" Lithographed Tin Scale 49, 99
" Mantel 42, 52
" Maple Syrup 100
" Marine 104
" Mash Tub 86
" Mash Pipe 87
" Maximum . . . . . 59 to 62, 128
" Maximum and Minimum . . . . . 59 to 62
" Meat Packers' 101, 102
" Meat Testing 101
" Milk Pasteurizing 76, 77
" Minimum . . . . . 59 to 62
" Nurseries . . 59 to 62, 114 to 116
" Orchard . . 59 to 62, 114 to 116
" Oven 97, 98
" Packing House 101, 102
" Pasteurizing 76, 77
" Photographers' 107
" Pipe 87, 88, 96
" Pocket 72, 101, 107, 119, 127, 128
" Precision 129, 130
" Railroad 110
" Railway Coach 110
" Radial Scale 51

PAGE

Thermometers—
" Recording . . 120, 121, 175, 176
" Rectal 19
" Registering . . . . . 59 to 62, 128
" Refrigeration . . . . . 88 to 91
" Rubber Vulcanizing 108
" Sand Testing 119
" Sea Water 104
" Self-Registering . 59 to 62, 128
" Shiphold 91
" Shower Bath 113
" Show 74
" Six's Registering 59
" Soil 106
" Sugar Factory 118
" Test 76, 97, 101, 119, 124 to 131
" Tin Cased—Ordinary 58
" Tin Cased—"*Taylor*-Quality" 57
" Tin Cased—"*Tycos*-Quality" . . . . . 55 to 57
" Tobacco Curing 99, 114 to 116
" Toning Bath 107
" Track Laying 110
" Traveling 72
" Veterinary 20
" Vulcanizing 103
" Weather Bureau 63
" Window 50
Thermometer Assortments . . . . . 32 to 42
Thermometer Cases . . . . . 14, 19 to 23
Trademark 5
Tycos Patent Safety Thermometer Case 14, 19, 23
Ureometer 28
Urinary Analysis Instruments . . . . . 26 to 30
Urin-Acidimeter 30
Urinometer Jars 30
Urinometers 26, 27
Urinary Analysis Booklet 30
Terms 5
Weather Books 192, 193
Weather Forecast Card 174

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